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201960

New Brunswick, N. J.

November 3, 1964

Subject: Pure Food Powdered Corn Starch

A. E. Staley Manufacturing Company

Mr. W. H. Ashton:

About two weeks ago I discussed with you a proposed visit by representatives of the A. E. Staley Manufacturing Company to this office. It was indicated these representatives wanted to talk about the possibility of substituting corn starch in our Baby, Powder to replace all or a portion of the talc. You indicated at that time you would like to have a small sample of the corn starch Staley proposed for our use, and also price information on this starch.

A sample of the Pure Food Powdered Starch is on its way into us; and as soon as received will be sent to you. The current price is \$6.73 per cwt. delivered to New Brunswick in 100 lb. paper bags in carload quantities of 50,000 lbs. minimum.

A. E. Staley Manufacturing Company states their Pure Food Powdered Starch is a fine powdered form of unmodified corn starch. They process it by flash-drying to a bulk density (loose) of 32-33 pounds per cubic foot. It is then densified to approximately 45 pounds per cubic foot. They state this gives them a product of approximately 10% moisture that is free flowing and with less dust than a micro-pulverized product. The particle size specification is 0.05% maximum on a 10XX silk. They claim virtually all of the product will pass through a U.S. 325 mesh screen.

This supplier, further points out there are two possible advantages of starch in Baby Powder. One is its ability to hold more than 50% water, and the second the fact that starch can be absorbed into the body, tending not to cause severe granuloma as may be the case with talc.

M. R. Stalker

am



MATERIAL DATA SAFETY SHEET TALC

Section 1.	Product and Company Iden	tification	And the second				
Product Names	IMPERIAL 200 USP IMPERIAL 250 USP IMPERIAL 400 USP		AL 500 US AL 700 FC H USP	C	OLYMPI SUPREM SUPRAFI		GRADE 25 USP
Synonyms	Talcum powder, Soapstone, St						
Chemical Name	Talc ; Hydrous magnesium sili	icate	CAS#	14807-96-	-6	Chemical Famil	y Phyllosilicates
Manufacturer	Luzenac America, Inc.		Emerger	ncy Health	 1		
	345 Inverness Drive South			tion (24 hr			
	Centennial, CO 80112		303-623-5	5716			
	Toll-free 800-325-0299						

Section 2.	Composition/In	nformation on Ingredients	
Substance	CAS#	% by Weight	TLV - TWA
Talc	14807-96-6	98-100	2 mg/m3 respirable fraction (ACGIH)
Dolomite	16389-88-1	0-2	Use Talc TLV for total exposure measurements

Section 3.	Health Hazards Identification and Emergency Overview
Emergency Overview	Under normal conditions of use, this product is not expected to create any unusual emergency hazards. This product is NOT flammable, NOT reactive, NOT explosive, has NO flash point, and poses NO special hazards in the presence of fire.
annonnonnonnonnonnon	
	Potential Health Effects from Acute and Chronic Occupational Exposures to Talc
	TARGET ORGANS
	LUNGS, RESPIRATORY SYSTEM
Inhalation	ACUTE: Exposure to a large concentration of air-born dust of this material may cause mechanical irritation of the mucous membranes and respiratory tract. CHRONIC: Repeated or prolonged inhalation of air-born dust of this material may cause scarring of the lungs (pulmonary fibrosis), with shortness of breath, chronic cough, and respiratory assisted heart failure. Prolonged exposure to tale can produce symptomatic tale pneumoconiosis (talcosis).
Skin Contact	ACUTE: Direct contact may cause dryness, or may cause mild irritation if an allergic predisposition exists.
Skin Contact	CHRONIC: Prolonged contact may cause dryness of the skin, or may cause mild irritation if an allergic pre-disposition exists
Eye Contact	ACUTE: Direct contact with dust may cause mechanical irritation of the eyes.
Lyc Contact	CHRONIC: Repeated exposure may cause conjunctivae inflammation.
Ingestion	ACUTE: This material is considered to be harmless and inert when ingested. CHRONIC: Repeated ingestion of large doses of talc for 13 and 10 successive days by rabbits and mice revealed negative teratogenic and carcinogenic results.

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Section 4.	First Aid Measures
Inhalation	Remove from exposure area to fresh air. If breathing has stopped, perform artificial respiration and get medical attention immediately. Keep person warm and at rest. Treat symptomatically and supportively.
Skin Contact	Apply common skin moisturizers to relieve dryness. Irritations are uncommon; however, if irritation or redness develops, seek medical attention. Broken skin can be cleansed with mild soap and water.
Eye Contact	Wash eyes with large amounts of water or normal saline solution. If irritation or redness develops, seek medical attention.

Section 5.	Fire Fighting Measures
Flammability	This product is NOT flammable, NOT reactive, NOT explosive, has NO flash point, and poses NO special hazards in the presence of fire. Firefighters require NO special protective equipment or precautions.

Section 6.	Accidental Release Measures
Small Spill	Use vacuum to clean up spillage. Place in sealed container.
Large Spill	For large spills, shovel or sweep up (while keeping dispersion of dust in air to a minimum) and place into suitable sealed containers for reclamation or later disposal. Residue should be cleaned up using a higheficiency particulate filter vacuum. The use of water wash-down is not recommended. Wet material can cause a surface used for walking to become extremely slippery. Talc is not considered a hazardous waste by RCRA criteria (40 CFR 261).

Section 7.	Handling and Storage
Handling &	Handle in ways to minimize the creation of dust. Preserve product in sealed containers.
Storage	·

Section 8.	Exposure Controls & Personal Protection
Personal Protection	Use NIOSH approved dust respirator. Use safety glasses or dust tight goggles. No special skin protection is usually required, but gloves should be worn by workers susceptible to skin irritation.
	Dust Safety Glasses Gloves
Controls	Provide local exhaust or process enclosure ventilation to meet published exposure limits (TLV).

Section 9.	Physical & Chemical Properties
Appearance	White to grayish-white powder
Odor	Slight earthy odor.
Flammability	This product is NOT flammable, NOT reactive, NOT explosive, has NO flash point.
Specific Gravity	2.8 (water = 1.0)
Melting Point	None
pН	Slightly basic (10% slurry in water)
Solubility	Water: <1 mg/mL @ 21 C

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Ethanol: <1 mg/mL @ 21 C	Cold acids: Insoluble	Alkalies: Insoluble

Section 10.	Stability & Reactivity Data
Stability	This product is stable, non-reactive, and non-corrosive.
Incompatibility with various substances	Non reactive/none known.

Section 11.	Toxicological Information
Toxicology	NIOSH Registry Number: WW2710000 SAX Toxicity Evaluation: THR: Not available Carcinogenic Status: IARC: (2006 in preparation) Has concluded that perineal use of talc-based body powder is possibly carcinogenic to humans (Group 2B). This is not a route of exposure relevant for workers and applies to one specific use of talc only. IARC: (2006 in preparation) Inhaled talc not containing asbestos or asbestiform fibres not classifiable as a human carcinogen (Group 3) OSHA: Not listed. ACGIH: A4 – Not Classifiable as a Human Carcinogen NTP: Not listed. A 2-year inhalation study demonstrated clear evidence of carcinogenic activity in female rats at exposure levels of 18 mg/m3. Some evidence of carcinogenic activity was observed in male rats at the same level. No evidence of carcinogenic activity was found in mice (NTP TR-421). Tumorigenic Data: TCLo: ihl-rat 11 mg/m3/1Y-I TDLo: imp-rat 200 mg/kg Other Toxicity Data: Skin and Eye Irritation Data: skn-hmn 300 ug/3D-I MLD Teratogenicity (Reproductive Effects Data): Not available. Mutation Data: Not available.

ical			
Species Test	Alga ((Selenastrum capricornutum) Growth inhibition	Daphnia Magna Acute immobilization	<i>Daphnia Magna</i> Reproduction
Endpoint	Growth rate 48hr-EC50 48hr-NOEC AUG 72hr-EC50 72hr-NOEC	48hr-EC50	21 day-EC50 21 day-NOEC
Conc. (mg/L) FY			

Section 13.	Disposal Considerations
Waste Disposal	Talc is not considered a hazardous waste by RCRA criteria (40 CFR 261). Dry material can usually be
Information	land-filled. State and Local regulations/restrictions are complex and may differ from Federal regulations.
	Responsibility for proper waste disposal is with the owner of the waste.

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Section 14.	Transport Information
Transport Information	U.S. Department of Transportation - DOT: No classification assigned CANADIAN Transportation of Dangerous Goods: No classification assigned
	LAND Transport - ADR/RID: No classification assigned AIR Transport - IATA/ICAO: No classification assigned (International Air Transport
	Association/International Civil Aviation Organization) MARITIME Transport - IMDG: No classifications assigned International Maritime Dangerous Goods)
	HARMONIZED Tariff Code: Talc – crushed or powdered. 2526.20.00. (Stat. Suffix 00) EPA TSCA 12(B) Export Notification: Not listed

Section 15.	Regulatory Information	
Chemical Inventories	EPA TSCA Status: Listed (CAS # 14807-96-6) CEPA Domestic Substance List – DSL: Listed AICS (Australian – NICNAS SWISS (Giftliste No: G-6939) ENCS/MITI (Japan) – Talc exempt EINECS (European No: 238-877-9) CEPA Non-domestic substance List – NDSL: Not listed ECL (Korean No: KE-32773) PICCS (Philippines) IECSC (China): Listed	
Other Pertinent Classifications/ Regulations	CALIFORNIA PROP 65 Status: Talc not listed STATE RIGHT-TO-KNOW: Talc listed – Illinois; Massachusetts; New Jersey; Pennsylvania; Florida CLEAN AIR ACT – Ozone Depleting Chemicals (ODC's): None CONEG Approved Packaging: Yes NFPA RATINGS: (Scale 0-4) Health = 1, Fire = 0, Reactivity = 0 NPCA: National Paint and Coatings Association – Hazardous Material Identification System HMIS) HEALTH: 1* (Chronic Potential) FLAMMABILITY: 0 PHYSICAL: 0 PERSONAL PROTECTION: dust respirator, glasses or goggles, gloves	

Section 16.	Other Information
Label Hazard Warning	CAUTION - PROLONGED EXCESSIVE INHALATION MAY CAUSE LUNG INJURY
Label Precautions	UTILIZE DUST RESPIRATOR AND EXHAUST VENTILATION. REFER TO MSDS FOR COMPLETE DETAILS
	TALC HYDROUS MAGNESIUM SULCATE CAS PHROUGHER OF CONTROL NUMBER OF
Primary References	ACGIH - Documentation of TLV's 2001 OSHA - Chemical Sampling Information: Talc (Containing no asbestos) (Revised 1/15/1999)

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for Key Data	OSHA - TALC (Containing no asbestos). OSHA comments from the June 19, 1988 Final Rule on Air
	Contaminants Project extracted from 54FR2324 et. seq.
	OSHA - Compliance Interpretation Letter dated August 22, 2000 regarding talc products containing less than
	1% quartz.
	OSHA - Guidelines for Employer Compliance (Advisory) 1910.1200 App E
	NIOSH - Pocket Guide to Chemical Hazards. Talc (containing no asbestos and less than 1% quartz).
	NIOSH - REL's and General Recommendations for Safety and Health. [TALC (containing no asbestos).
	AIHA - Hygienic Guides Series – Talc (1982)
	IARC - Talc Vol.: 42 (1987) (p.185) 5. Summary of Data Reported and Evaluation; Supplement 7: (1987) (p.349) Talc Not Containing Asbestiform Fibers (Group 3).
	CCOHS – Database MSDS FTSS. Network Version 2002.
	NTP – RoC/NIEHS Database. Network Version 2002.
Glossary	ACGIH – American Conference of Governmental Industrial Hygienists
*	AIHA – American Industrial Hygiene Association
	CCOHS – Canadian Centre for Occupational Health and Safety
	IARC – International Agency for Research on Cancer
	NIOSH – National Institute of Occupational Safety and Health
	NTP – National Toxicological Program
	OSHA – Occupational Safety and Health Association
	PEL – Permissible Exposure Level
	TLV – Threshold Limit Value
	TWA – Time Weighted Average
Important Notice	Luzenac America, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate
	precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular
	purpose.
Issued by	Richard J. Zazenski
	Regulatory Affairs Manager
	E-mail: rich.zazenski@america.luzenac.com
	Phone: 1-303-643-0404 Fax: 1-303-643-0446

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JOHNSON'S® Baby Powder | Johnsons Baby

Page 1 of 1



Sign Up for JOHNSON'S® BY YOUR SIDE™ C SHARE

JOHNSON'S® Baby Powder



Keeps skin feeling soft, fresh and comfortable

It's a classic, JOHNSON'S® Baby Powder helps to eliminate friction while keeping skin cool and comfortable. It's made of millions of tiny slippery plates that glide over each other to help reduce the irritation caused by friction.

- · Helps eliminate friction
- · Clinically proven to be safe, gentle and mild
- Allergy and dermatologist-tested
- · Clean, classic scent

For skin that feels soft, fresh and comfortable, apply JOHNSON'S® Baby Powder close to the body, away from the face. Shake powder into your hand and smooth onto skin,

Ingredients

Talc, Fragrance

When to Use

Use anytime you want skin to feel soft, fresh and comfortable. For baby, use after every bath and diaper change,

Safety

For external use only. Keep out of reach of children. Close tightly after use, Do not use on broken skin. Avoid contact with eyes. Keep powder away from child's face to avoid inhalation, which can cause breathing problems.

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Plaintiff's Exhibit No.

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helps keep odor av av Have you had your sprinkle today?

BUY NOW



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SHOWER to SHOWER®

Page 1 of 2













The Power of Powder



A sprinkle a day helps keep odor away. And that's not the only benefit of SHOWER to SHOWER[®]. Here are some more!

- Your body perspires in more places than just under the arms. Use SHOWER to SHOWER[®] to feel dry, fresh and comfortable throughout
- Pamper yourself with a soft touch and light fragrance.
- No more stained clothes powder provides invisible wetness protection
- With powder on, clothes glide on like a breeze and won't cling.

Get active:

Use before (or after) a workout or hitting the dance floor for a just-showered fresh feeling.

Keep shoes smelling fresh:

Just sprinkle a little powder into your shoes, boots, or sneakers to help them fresh and keep your feet dry.

Leave sand at the beach:

Sprinkle powder generously anywhere wet sand is clinging to your skin, thei brush the sand away!

Tame your mane:

No time to shower? Use a sprinkle of powder in your hair between washes t excess oil and add a hint of fresh fragrance.

Stay cool:

When the heat of summer turns up, a sprinkle of SHOWER to SHOWER® h cool you down all over!

Feel smooth:

Add powder to your skin after applying lotion to quickly absorb the stickiness

Soothe your skin:

Sprinkle on problem areas to soothe skin that has been irritated from friction after a bikini wax to help reduce irritation and discomfort.

Relax:

Lightly dust your sleepwear or sheets to make bedtime peaceful and luxurio

6/17/2010

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SHOWER to SHOWER®

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http://www.showertoshower.com/power_of_powder.jsp

6/17/2010

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JOHNSON'S® Our Products | Johnsons Baby

Page 1 of 1

Johnsons

D SHARE

Clinically proven to be pure, mild and gentle

From baby's first hospital bath through every special milestone, moms and healthcare professionals alike trust JOHNSON'S baby products to provide the "best in care."

Our Products

JOHNSON'S® BY YOUR SIDE™ JOHNSON'S Baby Powder

Keeps skin feeling soft, fresh and comfortable

Sign Up for

It's a classic_ JOHNSON'S Baby Powder helps to elir friction while keeping skin cool and comfortable, it's m millions of tiny slippery plates that glide over each other reduce the irritation caused by friction.

- · Helps eliminate friction
- · Clinically proven to be safe, gentle and mild
- Allergy and dermatologist-tested
- · Clean, classic scent

The JOHNSON'S Difference
For skin that feels soft, fresh and comfortable, apply
Newborn skins, 10 times thinner
than stories, 51 stress, complete upon the body, away f
in the body, away f
in the body awa

READ MORE

Our products have stood the test of time.

Whether you're purchasing one of our timeless classics or a newer release, with JOHNSON'S® you're always getting the clinically proven gentle formulas that have made us the most trusted name in baby care for more than 100





9

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category baby's skin bathtime bedtime playtime natural

life stage newborn toddier mother

baby care need cleanse moisturize hair care diaper care sun protection nursing

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Baby's Skin | Johnsons Baby

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Johnsons

Sign Up for

JOHNSON'S® BY YOUR

SIDE™

CHAPTER

SIDE NO. 10 SHARE

Add a layer of gentle, loving protection

You put your baby's safety first, and so do we. All of our baby products are formulated to cover your baby from top to toe with pure and gentle protection,



Newborn Skin Care

Learn about her delicate skin. Your newborn's skin is a unique and an essential shield that offers protection from the outside world.

Read more

Skin Science

- Your baby's skin is more susceptible to irritants and to changes in temperature and humidity,
- While your baby's skin is naturally more hydrated than your own, during the first 12 months of life, it also loses water more quickly.
- Your baby's skin requires more protection to keep it clean and moisturized.

See more on the JOHNSON'S® Brand Difference



Basics of Baby Skin



Sun Protection



Benefits of Infant Massage



Preventing Diaper



Your Baby's Changing Skin



Understanding Baby Skin

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Healthcare Professionals

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SHOWER to SHOWER® Task Force- BP Brainstorm July 14, 2004

Challenge #1: Powder Category Decline

- Explore needs states: pregnancy, menopause, "chubbiness", diabetes
- Advertise through mass transit
 - Subway reminders and subway maps
 - Retail tie-in
 - Sampling
 - Coupons on Metro Cards
- Use Duane Reade for PR on the street or in-store with displays and jingle playing
- Radio ads geo-targeted, radio personalities?
- Helps runners with chafing
 - Could do promotions around running events (pre-marathon bags)
 - Include in training kits they can buy
- Race for the Cure promotions
- Education to younger consumers

Challenge #2: STS Share Decline

- Education is key. Get people back into a daily powder routine by telling them how valuable our product is.
 - Surround Sound
 - o Need to answer: Why use powder?
 - Possibly go beyond current benefits and look at anti-itch and foot care (more like GOLD BOND®)
- "Soup to nuts" account specific program is most effective; surround sound; start over explaining benefits of powder
- Redefine who our targets are (what do we mean by women 35+?)
 - o Can look at men, Redacted women, heavy women
- Go beyond JOHNSON'S® Baby Powder and fragrance; they can't do things like Sport or Shimmer
- We have higher standards of talc that Private Label does not
 - o Do we have to keep these higher cost standards?
 - Need to make it worth the extra cost
- Account specific programs? Maybe spot TV tied with specific markets
- Make 1 oz. more available for sale
- Vacationers more willing to try new routines/products
 - Possibly target cruises, the beach, camping, outdoors
- Potential in women's sports markets
- · Make scent names more current
- Turn powder into daily regimen by partnering with other products such as women's health or even tooth brushes, something everyone sees as being used daily



- Celebrity endorsements: someone professional but would get the idea away from "Grandma's powder"
 - o Limo drivers handing out samples to get celebrities to try it
 - o Make Patti LaBelle or Aritha Franklin spokeswomen
 - Send out celebrity mailings to anyone who might get hot while they work. This could also go to anchormen, like Katie Couric for example.
 - Ideally we would get the reaction that Purpose saw when Dr. Phil's wife mentioned it
 - Could also get beauty personalities to promote it, especially with the new shimmer
- Maybe get product placed in more high-end retailers than just the Mass COT. More attention from places like Bath and Body Works and Ulta.
- Alternative forms of powder and different placements could be key
- On pack attachments for different delivery: powder puffs and brushes
- Could also attach unrelated items for different messages. For example coupons for greeting cards around Mother's Day promotes family values and relationships.
- Message that it's time to "grow up to adult powder"
- Direct mailings with powder samples
- In-book sampling
- Fragrance scratch-n-sniff on FSI
- Scratch and sniff labels
- Floor mats to get customers to actually look for Shower at the retailer.
 Might need to put them in other spots to get younger potential users down the aisle
 - Could possibly go in personal care if the idea is that you want something to keep you fresh and clean
 - Partner with Carefree, or Catalina (same idea of our product will bring freshness)
 - Would also reinforce how everyday powder should be
- Sampling/tie-in to Weight Watchers
- We know that people usually purchase Shower on their stock up store trips, not just milk and bread runs
- Hang tags on gym bags or sneakers (or coupons) and could also cross merchandise with seasonal wear
- 101 uses: approximately 50 beauty uses? 50 sport uses? Others:
 - o Play up seasonality more: use it at the beach to take off the sand
 - Takes squeaks out of hardwood floors (find interesting uses)
- Wal-Mart market basket data (Nancy f/u)
- X merchandising within J&J
 - Viactiv, Tylenol pairing up with Shower because women trust these brands
- Position to menopause specifically: "heat reliever"; "cools hot flashes"; this way lots of PR would follow

- Harris Interactive Study for PR: i.e. what do you want when you're hot?
 (for example: powder, a fan, a cool drink, etc., to cool you down)
- More interesting packaging, possibly a more unique cylinder shape so that customers are more willing to spend more money
- Work with bowling alleys (put powder in shoes)
- Baseball gloves, swim caps
- Menopause survival kit
 - Advertise as helping with night sweats and hot flashes
- Obesity platform
 - Focus on Redacted women and obesity
 - o What makes her comfortable and confident?
- Create loyalty through frequent buyer program
- Try starting a completely unique and account specific program
- Create STS website and make connections with online retailers
- Make dollar stores better opportunity
- Can we improve our claims beyond time released fragrance?

Challenge #3: Aging Users, How Bring New/Younger Users

- NASCAR displays, signage and any brand linkage
 - o Did this 1996-1998 and it did well
- Seasonal approach and alternate usages (PR)
- · Rally around specific dates/times of the year and relationships
- Sampling at vacation spots
- Try to market the values of a mother/daughter relationship around powder as well as father/son around Sport
- Teens could be a market because they are more concerned with fragrance and freshness than messiness
- Look at the KY model think about a correlation between Shower and closeness among people
- · Maybe look into more of a beauty focus

Redacted

- Atlanta test results?
 - Grass roots efforts effective?
- SMSI: do they market with Anderson? How leverage this org.?
 Redacted
- Make writing a new jingle into a competition
 - For example: A&W recent contest or like American Idol where the consumer or radio audience can select the one they like the best, with winner being put in commercial for STS

- Hospitals
 - Could be giveaways to patients, sampling
 - Sell in hospitals patients would be willing to buy from hospital shop if you can't shower for an extended period of time; chafing/bed sores
 - More comfortable with name brand so willing to pay a little more better than hospital brand
- Get in on the college bus tour? While girls are learning about skincare guys could also be hearing the benefits of Sport powder.
- Better placement, can we get our line placed in baby or foot care?
- Partner with lower end shoe store like Payless to promote powder usage in shoes
- Product Ideas:
 - Invisible powder
 - Tinted powder
 - Tinted hair powder (already in Europe, can Beatrice get for us?)
 - Bronzer powder
 - Talk to Alexandra learn European trends
 - Liquid powder in tubes (could also lead to different sampling mediums)
- STS conversion: Redacted
 - General Market needs motivation to buy STS Redacted
- Jingle revival event, contest, casting call; make it more relevant to new market
- Promote at teen events, sporting events
- Decrease sample size so that they can still use it but not have a short term supply; need to get the consumer to go buy more after trying
 - Salt and pepper packets
 - Ketchup packet sized
- Different shape: try unique powder cylinder (differentiate from P/L)
- Lots of Sport potential:
 - o Promos on shoes or athletic gear
 - Sporting event sampling (exit/entrance samples)
 - Channel breaker display
 - Buy celebrity sponsorship
 - o ESPN radio
 - Talk to Jack Weekly for sport connections
- Target brides; under stress so they need powder
 - Ads in bride magazines
- Link with a manicure/pedicure chain, beauty product
 - o If it will become a beauty product, what is the message?
- Sampling at retailers like BJs, Costco, Sam's
- Education to younger consumers is important

- Times Square Billboard
- Play jingle in subway stations, hire people to look like street performers singing about Shower
- Arena signage
- Talk radio personality endorsements (like Gold Bond)
 - Can go for sports casters or even weather forecast
 - "Weather forecast brought to you by SHOWER to SHOWER®"
 - Set it up to do the weather on hot, humid days
- Weather Channel, either on line or on TV
- · Other publicity styles: Vitamin water and the NY post
- Regis and Kelly samples (always under hot lights)
- Ellen DeGeneres Show product placement/integration
 - Really "big finish" tie-in
 - She might need it after her dancing segment
 - Help re-write the jingle
- Oxygen TV sampling, sponsorship
- Reality TV product placement?
 - Survivor
 - o Queer Eye
 - o The Amazing Race
- Figure out best radio spot timing: morning or night reminders?
- · "Flip book" advertising next to train lines
- · Stress platform: how to keep cool under pressure
 - Promos with political campaigns
 - Tiger Woods
 - Martha Stewart
- Fashion dos and don'ts, before and after shots, what Shower will do for you
- I-com database f/u with Jean
- New potential for wipes?
- Do a deeper dive into finding out what is important to Redacted women and the younger ones in particular
- Ulta has created edible powder, sells for about \$25/bottle and actually sells out
- Involvement with military could be big market
- Packaging make it gender neutral
- · Sampling at men's health clubs

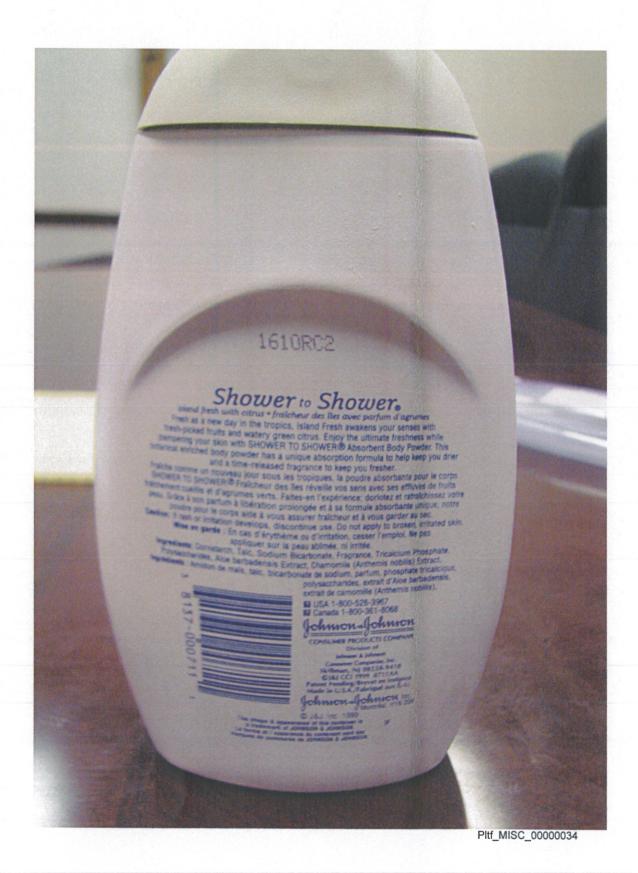


Plaintiff's Exhibit
No.
P-49





Page 1 of 1



Johnson-Johnson

New Brunswick, N. J. February 21, 1964

R. G. Schoel (2)

Subject: Cornstarch Development

Memo for File:

Report on Meeting: February 21, 1964

Present: R. E. Faust (2)

> R. L. Sundberg W. H. Ashton

Consumer Research Test - Staley's CREAM vs. JOHNSON'S Baby Powder

It was agreed that we will prepare the 440 samples R. Schoel requested earlier (1/2/64). The test is to determine a preference rating of our regular JOHNSON'S Baby Powder vs. the Staley product CREAM Brand cornstarch baby powder.

One of the four items requested was 110 units of the Staley product repackaged in our own new plastic container. Dr. Faust directed that this request cannot be carried out since the embossed copy declares the contents are talc. It was agreed that this problem can be eliminated if special labels declare the contents to read "talc and/or cornstarch." Mr. Schoel will finalize all labels with Dr. Faust.

Ashton will determine whether sufficient plain plastic packages or unembossed varieties are available in J&J for this test. Failing that, the supplier's inventory will be checked. In the event no suitable plastic packages are available, then metal containers will be acquired for this small test only.

Product Development

A) Mr. Schoel requested we immediately undertake the formulation and development of a cornstarch product which is inexpensive and free-flowing. This was discussed in some detail and the following decisions were reached:

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Memo for File

-2-

February 21, 1964

- The product will use our standard perfume, P-5. It will be compounded at a level which gives an aroma match to our standard talc article.
- 2) The product will not contain an antiseptic.
- 3) The raw material cost of the Staley product is estimated to be 6.7¢/lb. of product plus perfume.
- 4) We will develop such a product which either equals or exceeds Staley's characteristics.
- 5) No buffer action is considered.
- B) The formulation will be developed with either of National Starch Products U.S.P. grades of cornstarch. The regular variety runs \$5.95/100 wt. whereas the bleached variety runs \$6.50/100 wt. f.o.b. Indianapolis. Additives which are believed to impart fluidity appear in the price range of \$14.00 to \$20.60 per 100 wt. Thus we optimistically expect to be able to evolve a formulation closely competitive to the Staley article, plus perfume cost.

Additives to be explored within the formulation and product character parameters are:

- 1) Dry Flo A low substituted Al salt of mildly treated cornstarch.
- 2) MgCO₃ This is the Staley fluidizer.
- 3) MgO
- 4) Tricalcium Phosphate
- 5) Cab-O-Sil
- 6) Any other which comes to attention.

Memo for File

-3-

February 21, 1964

Of these additives, the Dry Flo has very appealing tone because it would open the door to a merchandising advantage which could refer to an all starch product, i.e., a blend of it with U.S.P. Cornstarch would have no added inorganics.

Since the meeting, Ashton established the largest commercial uses of Dry Flo are in Vitamin A manufacture (5% in finished product) and as a condom lubricant where it replaced talc because it was found to be absorbed safely in the vagina whereas, of course, talc was not.

C) Programming - The necessary raw materials will be ordered immediately and the work begun in line with a program chart which was presented.

W. H. Ashton

JNJ000265536

Metadata

AttachCount	0	ORIGINAL
BegAttach	JNJ 000265536	ORIGINAL
Confidentiality	N	ORIGINAL
Custodian	Legacy 1	ORIGINAL
DateMod	02/21/1964 12:00 AM	ORIGINAL
DocExt	TIF	ORIGINAL
EndAttach	JNJ 000265538	ORIGINAL
FileName	K000135321.TIF - K000135323.TIF	ORIGINAL
FileSize	0.00	ORIGINAL
OtherCustodians	Miscellaneous	ORIGINAL
PgCount	3	ORIGINAL
ProdVol	TALC_GLOBAL_002	ORIGINAL
Relative FilePath Append	\	ORIGINAL
Replacement	Yes	ORIGINAL
Score_adjusted	416880523.7	ORIGINAL
Tag Name	and Heavy Metals Contamination/Testing	ORIGINAL
Text Path	TEXT\0273\JNJ 000265536.txt	ORIGINAL
Trial_Ex_Number	Pltf_JNJ_00039857	ORIGINAL

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SUPERIOR COURT OF NEW JERSEY	1	APPEARANCES (Cont'd):	
LAW DIVISION: MIDDLESEX COUNTY DOCKET NO. MID-L-00598-18 AS	2		
DOCKET NO. WIID-L-00396-18 AS	3	HOAGLAND, LONGO, MORAN, DUNST & I	DOUKAS, LLP
LORETTA SELVAGGIO, DEPOSITION UNDER	4	40 Paterson Street	
ORAL EXAMINATION	5	New Brunswick, New Jersey 08903	
Plaintiff, OF NANCY MUSCO	6	732-545-4717	
VS.	7	BY: AMIE C. KALAC, ESQ.	S
BRENNTAG NORTH AMERICA, et al.,	8 9	Attorneys for Defendant, Whittaker, Clark and I	Jameis
Defendants.	10		
	11	ALSO PRESENT: Ray Moore, Videographer	
TRANSCRIPT of the deposition of the witness,	12	The server in the moore, viacographer	
called for Oral Examination in the above-captioned	13		
matter, said deposition being taken pursuant to	14		
Superior Court Rules of Practice and Procedure by and before MARC BRODY, a Notary Public and Certified	15		
Shorthand Reporter of the State of New Jersey, at the	16		
law offices of FOX ROTHSCHILD, 997 Lenox Drive,	17		
Lawrenceville, New Jersey, on Wednesday, November 28,	18		
2018, commending at approximately 10:00 in the forenoon.	19		
	20		
BRODY DEPOSITION SERVICES	21		
235 East Broad Street, Suite 1 Westfield, New Jersey 07090	22		
Phone: 908.789.2000	23		
Fax: 908-789-2007	24		
	25		
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1 APPEARANCES:	1	INDEX	
2	2	WITNESS	PAGE
3 COHEN, PLACITELLA & ROTH, P.C.	3	NANCY MUSCO	
4 127 Maple Avenue	4	Direct by Mr. Placitella	6
5 Red Bank, New Jersey 07701	5	Cross by Ms. O'Connor	204
5 Red Bank, New Jersey 07701 6 732-747-9003	6	Cross by Ms. O'Connor Redirect by Ms. Placitella	204 214
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6 732-747-9003	6 7 8	•	
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1	EXHIBITS	1 before?
2	NO. DESCRIPTION PAGE	2 A Yes. Once before.
3	No. Beschi How Thee	3 Q What kind of case was that?
4	Musco-1 Handwritten document 91	4 A That was Johnson's Baby Oil.
5	Musco-2 Binder of documents 131	5 MR. PLACITELLA: Before we get
6	Musco-3 Five pages legal size	· · · · · · · · · · · · · · · · · · ·
	Chart 136	started, is the witness here testifying as Nancy
7		7 Musco, a former employee of Johnson and Johnson that
	Musco-4 List of J&J employees 202	8 I subpoenaed, or as a representative of Johnson and
8	1 7	9 Johnson?
9		10 MS. O'CONNOR: You are asking me
10		11 that question?
11		12 MR. PLACITELLA: Yes. The reason I
12		ask is because I got an email from counsel for
13		14 Johnson and Johnson that said that Ms. Musco was
14		being produced here today as a representative for
15		16 Johnson and Johnson.
16		17 MS. O'CONNOR: I think that was not
17		what was intended. She is here in her personal
18		19 capacity as a former employee of Johnson and
19		Johnson. She is not here on behalf of the
20		21 company as a person most knowledgeable.
21		22 MR. PLACITELLA: That's fine. I
22		23 wanted to make sure.
23 24		24
25		25 Q Ms. Musco, are you represented by counsel
2.5		20 Q IVIS. IVIUSCO, are you represented by counsel
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1	THE VIDEOGRAPHER: We are on the record my	_
1 2		1 here today?
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	Page 9		Page 11
1	A Yes.	1	Q Around 1986 or so you changed jobs?
2	Q And where is that?	2	A Changed departments. Still had some of
3	A That is in Central New Jersey.	3	the same responsibility.
4	Q The address?	4	Q What department did you move to then?
5	A 13 Mershon Lane.	5	A I moved to the marketing department then.
6	Q You went to school at the University of	6	Q What was your job title?
7	Bridgeport?	7	A It was still medical services. I was
8	A That's correct.	8	medical services manager at the time.
9	Q Is that where you got your nursing degree?	9	Q What were your jobs responsibilities as
10	A Yes.	10	medical services manager?
11	Q And you graduated when?	11	A The same, to respond to consumers for
12	A 1974.	12	medical and safety issues, and at that time I had a
13	Q At some point in time you went to the	13	team of nurses working with me.
14	Wharton School for a management certificate. Is	14	Q The first job you had, what products were
15	that fair?	15	you responsible for or did you have interaction
16	A Yes.	16	with?
17	Q Any other education besides that?	17	A The first job was all for Johnson's Baby
18	A No.	18	Products.
19	Q When did you leave Johnson and Johnson?	19	Q What products did that include?
20	A 2011.	20	A A lot of products.
21	Q And you began when?	21	Q The primary ones.
22	A 1981.	22	A Johnson's Baby Shampoo, Johnson's Baby
23	Q Can you trace for me the job	23	Lotion, Johnson's Baby Wash and Johnson's Baby
24	responsibilities that you had at Johnson and Johnson	24	Powder, Johnson's Baby Powder Corn Starch, Johnson's
25	through your employment, and I may stop you along	25	Baby Oil.
23	through your employment, and I may stop you along	25	Baby Off.
	Page 10		P 10
	9		Page 12
1	the way?	1	Q And the second job you had when you
1 2		1 2	
	the way?		Q And the second job you had when you
2	the way? A My main responsibilities were	2	Q And the second job you had when you changed departments in 1986, what products were you
2 3	the way? A My main responsibilities were communicating with consumers about our products.	2 3	Q And the second job you had when you changed departments in 1986, what products were you involved with?
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A My main responsibilities were communicating with consumers about our products. Q What was the first job title you had at Johnson and Johnson, if you recall? A Medical services assistant. Q What specifically was your job responsibility as medical services assistant? A To respond to consumer contacts about any medical or safety issues. Q How long did you have that job? A That would be it is hard to remember a long time ago. Approximately six or seven years. Q Who did you report to when you worked there? A The person I reported to, I can't think of last name. Her first name was Fran. Q Was that for Johnson and Johnson itself or some subsidiary? A That was for Johnson and Johnson Baby Products. Q Where was that? Where did you work out of? What location?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q And the second job you had when you changed departments in 1986, what products were you involved with? A All of the same products. About that time, or a little bit later, we became consumer products, so I was responsible for our world care products and our oral products. Q You took this job in approximately 1986, and what part of Johnson and Johnson were you working for? A At that time, 1986, I was in the marketing department. Q What division? A That was Johnson's, I think, Consumer Products at that time. Q Where was that located? A That was located in Skillman, New Jersey. Q Were you responsible in part for Johnson's Baby Powder during that period of time? A Yes, I was. Q What specifically was your role as it related to Johnson's Baby Powder? Let me ask you

	Page 13		Page 15
1	A Pretty much until mid 2000s.	1	department at Johnson and Johnson?
2	Q And who were your supervisors?	2	A Yes.
3	A A lot of different ones. Tom Demusio was	3	Q What were your job responsibilities?
4	one, Richard Chase was another. That's all I	4	A The same, to respond to consumers for
5	remember right now.	5	medical and safety issues.
6	Q During that periods of time did you have	6	Q Why were you moved from one department to
7	responsibility in the capacity you were working for	7	the other?
8	Johnson's Baby Powder?	8	A I can't really say. It was organizational
9	A Yes, I did.	9	changes.
10	Q What geographic locations were you	10	Q And what division of Johnson and Johnson
11	responsible for? Was it the U.S., beyond or what,	11	did you work for when you worked in R and D?
12	for Johnson's Baby Powder?	12	A At that time it would have been Consumer
13	A At that time?	13	Products.
14	Q Yes, Ma'am.	14	Q What specifically was your job title and
15	A At that time it was U.S.	15	responsibility?
16	Q During that period of time from 1986 to	16	A My job title would have been still medical
17	2001?	17	services manager, and my responsibilities would have
18	A Approximately.	18	been to respond to consumers for medical and safety
19	Q Did you have interaction with other	19	issues.
20	departments within Johnson and Johnson as it related	20	Q Other than responding to consumers, did
21	to Johnson's Baby Powder?	21	you ever respond to physicians?
22	A Yes, definitely.	22	A Yes, from time to time.
23	Q What departments?	23	Q What about the people in the U.S.
24	A I interacted with many different	24	Government, did you ever respond to people in the
25	departments, but it would have been Quality	25	U.S. Government?
	Page 14		Page 16
1	Assurance Department, Research and Development,	1	A No, that was not my role.
2	Regulatory, Marketing, Packaging, just about every	2	Q And you held that position in R&D from
3	department in the company.	3	2005 or 6 until when?
4	Q What specifically was your department	4	A Until I left in 2012.
5	called?	5	Q Why did you leave in 2012?
6	A At that time my department was called	6	A The company was downsizing.
7	Medical Services, I believe.	7	Q At the time you left in 2012, what was
8	Q The function of Medical Services	8	your annual salary?
9	Department was what?	9	A I don't remember.
10	A To respond to consumers for medical and	10	Q Did you leave with a pension?
11	safety issues.	11	A Yes. I eventually retired. I left in
12	Q Now, in 2001, did your job change?	12	April when I officially retired, I guess, September
13	A I believe 2000, maybe a little bit later	13	or October.
14	than that. It is hard to remember. It is a long	14	Q After 2012, did you do any other work for
15	time.	15	Johnson and Johnson as an outside contractor?
16	Q Your best estimate?	16	A Yes, I did.
17	A Yes, but I think it was the latter part.	17	Q What did you do?
18	Maybe 2005.	18	A I worked on product claims, substantiation
19	Q So in approximately 2005 your job changed?	19	of product claims.
20	A Part of my responsibilities changed, yes.	20	Q What does that mean?
21	Q Did you work for a different department at	21 22	A Ensuring that any claims that were made on
22 23	that point in time?	23	our product had the proper substantiation, whether
23	A I was then working for the Research and Development, Scientific and Medical Affairs.	24	it be testing, research, et cetera. Q Did you work for a company, for yourself
25	Q You actually went to work for the R and D	25	at that point in time when you became a contractor?
25	2 Tou actuary went to work for the R and D		at that point in time when you occame a contractor:

	Page 17		Page 19
1	A I worked for a company.	1	by the way?
2	Q What company?	2	A All consumer products.
3	A It was called Med Global.	3	Q All consumer products?
4	Q How long did you have that job?	4	A Yes.
5	A About a year and a half, maybe two years.	5	Q Would that include Johnson's Baby Powder?
6	Q Then what did you do?	6	A Yes.
7	A Well, at that time I was working for Dress	7	Q Would it include Johnson and Johnson
8	for Success also, and I continued to do that.	8	Shower to Shower?
9	Q When is the last time you worked for	9	A Yes.
10	Johnson and Johnson, you did work for Johnson and	10	Q When you had to make sure that the claims
11	Johnson?	11	were you were able to back up what you were
12	A The last time I worked directly for	12	saying basically? Is that what you are saying?
13	Johnson and Johnson would have been 2012.	13	MS. O'CONNOR: Objection to the form.
14	Q When you were working as a private	14	You can answer.
15	contractor for Johnson and Johnson after you	15	Q Scientifically?
16	retired, who at Johnson and Johnson did you interact	16	MS. O'CONNOR: Same objection.
17	with primarily?	17	A Yes. My role was to ensure that there was
18	A The Research Department.	18	substantiation, or backup, as you called it, on
19	Q Who specifically?	19	file for whatever claims were made on the
20	A Specifically Nina Turney.	20	products.
21	Q Let me back up for one second. When you	21	Q For example, if a claim was being made
22	worked in R and D, who did you report to?	22	that Johnson and Johnson's Baby Powder never killed
23	A When I worked as a consultant?	23	a child, you would have substantiation for that?
24	Q No, when you worked for Johnson and	24	MS. O'CONNOR: Objection to the form.
25	Johnson in the R and D, who did you report to?	25	You can answer.
	Johnson in the R and B, who did you report to:		Tou can answer.
	Page 18		Page 20
1	MS. O'CONNOR: Objection to the form.	1	A Well,
2	You can answer.	2	Q No child ever lost his life as a result of
3	A I reported to director one of the	3	using Johnson and Johnson Baby Powder, you would
4	directors in R and D.	4	make sure that was an accurate statement?
5	Q Who was that?	5	MS. O'CONNOR: Objection to the form.
6	A Ellen Kurtz.	6	A We are talking about claims on a product
7	Q When you worked as a private contractor	7	and what the product does. That's what the
8	after retiring, who was the person that you reported	8	substantiation was for.
9	to?	9	Q Claims on a product. If a claim was made
10	A Nina Turney	10	by Johnson and Johnson that no child was ever let
11	Q You say your job was to substantiate the	11	me go this way.
12	claims concerning product safety? I'm not sure I	12	If a claim was made that there was X
13	understood what you did as a private contractor.	13	ingredient in Johnson and Johnson's Baby Powder, you
14	Could you give me some more detail about what you	14	would make sure that was the case?
15	did day-to-day?	15	A Yes.
16	MS. O'CONNOR: Objection to the form.	16	MS. O'CONNOR: Objection to the form.
17	Mischaracterizes her testimony.	17	Q What records would you have access to to
18	MR. PLACITELLA: I'm not trying to.	18	make sure that was, in fact, the case?
1	MS. O'CONNOR: Understood.	19	A There were many different records. I
19	MS. O CONNOR. Ulidelstood.		· ·
19 20		20	would work, again, with a team. Mainly the team in
	A My job was	20 21	would work, again, with a team. Mainly the team in research and development for these kinds of things.
20	A My job wasQ I'll let you know when I'm doing that.		research and development for these kinds of things.
20 21	A My job wasQ I'll let you know when I'm doing that.A My job was to ensure there was	21	research and development for these kinds of things. Q Did you ever have a similar responsibility
20 21 22	A My job wasQ I'll let you know when I'm doing that.	21 22	research and development for these kinds of things.
20 21 22 23	 A My job was Q I'll let you know when I'm doing that. A My job was to ensure there was substantiation for any claims that were made on the 	21 22 23	research and development for these kinds of things. Q Did you ever have a similar responsibility when you actually worked directly for Johnson and

Page 21 Page 23 1 Q If a claim was made that testing was done 1 provided. We know every product goes through the 2 2 of a specific Johnson and Johnson product, you would same process. 3 be provided access to all the testing and look at it 3 So we would review any testing. I 4 4 wouldn't review it, I would rely on my team members 5 5 MS. O'CONNOR: Objection, vague and to review it, and that would substantiate whatever 6 ambiguous. Mischaracterizes the testimony. You can 6 we were saying on the label. 7 7 answer. Q This is what I'm trying to understand. 8 8 A No, I would rely on the team members for There are people at Johnson and Johnson that -- they 9 9 have the information about the claims that are being that. 10 Q So you would not personally review the 10 made concerning the product, correct? 11 testing documents, you would speak to someone and 11 A Correct. 12 they would provide you with information. Is that 12 O They are people in R and D primarily? 13 That's part of the team, yes. 13 fair? 14 A I would speak to the appropriate members 14 Who else? 15 of the team, yes. 15 A Regulatory. 16 Q With no disrespect, how was it that you 16 Okay. Q were qualified to do that, to substantiate claims 17 A It may be pretty much regulatory and the 17 18 related to, for example, product safety? 18 development people who are part of research and 19 MS. O'CONNOR: Objection to the form 19 development. 20 of the question. Vague and ambiguous, 20 Q So you have people in regulatory, you have Mischaracterizes the testimony. You can answer. people who have the actual knowledge, correct? 21 21 22 Those are the people in R and D? 22 A Again, when I was doing substantiating, or 23 ensuring there was substantiation for the claims, 23 A Correct. 24 24 they were product claims, not safety claims. They Q They have actual, either personal 25 were product claims. 25 knowledge or access to the testing that verifies the Page 22 Page 24 1 1 Q What is the difference? claim, correct? 2 A One has to do, by the example you gave, 2 A They would have some of it, yes. We would 3 ingredients in a product, what the product does, 3 have, our quality assurance department might have 4 some. Depending on what it is, there's a lot of 4 things like that. 5 5 people involved. I did not substantiate them, I relied 6 6 Q What I'm trying to understand is if all on people within the team and mainly the research 7 7 that knowledge is within Johnson and Johnson, with and development team. 8 all due respect, why do they need you? 8 Q Do you know why Johnson and Johnson 9 subcontracted that function out to you versus doing 9 A To ensure that we had all that knowledge 10 it themselves? 10 really in one place. MS. O'CONNOR: Objection, ambiguous, Q But there's nobody in Johnson and Johnson 11 11 12 that knew it was all in one place? 12 calls for speculation. 13 A It is not a question of knowing it is in 13 A No. 14 Q Did you have responsibility for 14 one place, it was documented that we have it and substantiating product safety claims? 15 putting it in one place. What do you mean by one 15 A Again, I didn't substantiate them, I 16 16 17 insured that there was substantiation by relying on 17 Q If a claim is made about, for example, 18 the members of the team. 18 Johnson's Baby Powder, how did you document it as Q So, for example, if a claim was made by 19 part of your function in that job capacity as an 19 20 Johnson and Johnson that baby powder was safe for 20 outside contractor? babies, what would you go through? What process 21 21 A Well, after working with the various team 22 would you go through in order to fulfill your 22 members we had a computer system where we would 23 function? 23 document the information, where it could be found. We didn't have it all in there. It was too long 24 A There's a process that every product goes 24 25 through to ensure the safety. That is what would be 25 to put in that particular system.

	Page 25		Page 27
1	Q When you say we had a computer system, was	1	Q In preparation for today's deposition, did
2	that Johnson and Johnson's computer system or your	2	you review any documents?
3	company's computer system?	3	A No.
4	A It was Johnson and Johnson's system.	4	Q Did you review any sworn testimony by any
5	Q So you, as an outside contractor, you had	5	witness?
6	direct access to Johnson and Johnson's computer	6	A No.
7	system?	7	Q Did you speak to anybody, other than
8	MS. O'CONNOR: Objection to the form	8	counsel?
9	of the question.	9	A No.
10	A At that time, yes.	10	Q How many times did you meet with counsel?
11	Q What was the name of that computer system	11	A Twice.
12	or that computer program?	12	Q For how long and when?
13	A I don't remember.	13	A One day last week and Monday of this week.
14	Q Who was the person in charge of it? Was	14	Q For how long last week and how long on
15	it Tom Cox? Did you know Tom Cox?	15	Monday?
16	A No.	16	A About six hours each day.
17	Q Who was the person in charge of	17	Q In those meetings, you never looked at any
18	administering that computer program?	18	documents that would help you refresh your memory
19	A I don't remember.	19	concerning events that happened while you were
20	Q Am I correct that you, just so we go	20	there?
21	through this, you have no expertise in interpreting	21	A No, I did not.
22	epidemiology?	22	Q Did you ever testify for Johnson and
23	A That's correct.	23	Johnson in any trials?
24	Q You have no expertise in interpreting	24	A No, I did not.
25	toxicology?	25	Q When you met with counsel for Johnson and
	Page 26		Page 28
		1	_
1	A That is correct.	1	Johnson, were you paid for your time?
1 2	Q You have no expertise in testing methods	1 2	A No, I was not.
	Q You have no expertise in testing methods for contaminants in Johnson's Baby Powder?		A No, I was not. Q Are you being paid for your time today?
2	Q You have no expertise in testing methods for contaminants in Johnson's Baby Powder? A That's correct.	2	A No, I was not.Q Are you being paid for your time today?A I received \$2 with my subpoena.
2 3 4 5	 Q You have no expertise in testing methods for contaminants in Johnson's Baby Powder? A That's correct. Q You have no expertise in how to construct 	2 3 4 5	 A No, I was not. Q Are you being paid for your time today? A I received \$2 with my subpoena. Q If this goes well, I'll raise it a dollar
2 3 4	 Q You have no expertise in testing methods for contaminants in Johnson's Baby Powder? A That's correct. Q You have no expertise in how to construct a proper warning in order to reflect the information 	2 3 4	A No, I was not. Q Are you being paid for your time today? A I received \$2 with my subpoena. Q If this goes well, I'll raise it a dollar fifty.
2 3 4 5 6 7	Q You have no expertise in testing methods for contaminants in Johnson's Baby Powder? A That's correct. Q You have no expertise in how to construct a proper warning in order to reflect the information that's known about the product?	2 3 4 5 6 7	A No, I was not. Q Are you being paid for your time today? A I received \$2 with my subpoena. Q If this goes well, I'll raise it a dollar fifty. Did you ever have any prior
2 3 4 5 6 7 8	Q You have no expertise in testing methods for contaminants in Johnson's Baby Powder? A That's correct. Q You have no expertise in how to construct a proper warning in order to reflect the information that's known about the product? A I'm not an expert, but I'm knowledgeable	2 3 4 5 6 7 8	A No, I was not. Q Are you being paid for your time today? A I received \$2 with my subpoena. Q If this goes well, I'll raise it a dollar fifty. Did you ever have any prior involvement on behalf of Johnson and Johnson in
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	Page 29		Page 31
1	Q When you say point person, what does that	1	Q Did that ever happen?
2	mean?	2	MS. O'CONNOR: Objection to the
3	A There's so many departments and so many	3	mischaracterization.
4	different people at Johnson and Johnson that really	4	A That may have happened, yes.
5	I was the person who could help direct whatever	5	Q How many cases over the years that you
6	question or whatever information was needed.	6	worked for Johnson and Johnson were you involved in
7	Q For example, if a specific question was	7	that related to Johnson's Baby Powder?
8	posed in a lawsuit, you would be the person that	8	A I don't remember.
9	gathered the information to answer that question?	9	Q Was it more than one?
10	MS. O'CONNOR: Objection to the form.	10	A Yes. I would say more than one.
11	A I would again go to the appropriate	11	Q Did you ever work on any cases related to
12	department to supply that answer or direct the	12	the Shower to Shower product?
13	attorney to that department.	13	A Not that I remember, no.
14	Q If there was a question in a lawsuit that	14	Q In the cases you worked on related to
15	said, or you were directed to secure all the testing	15	Johnson's Baby Powder, do you know what injuries
16	information that Johnson and Johnson had as to	16	were being alleged by the people suing Johnson and
17	whether the Johnson's Baby Powder ever contained	17	Johnson?
18	asbestos, that would be part of your function?	18	A Yes. There have been allegations of lung
19	MS. O'CONNOR: Objection to the form.	19	disease.
20	You can answer.	20	Q When you say lung disease, what do you
21	A Again, I would direct our attorneys to the	21	mean by that?
22	appropriate department for that.	22	A Allegations of lung cancer or any
23	Q You would, for example, then say to the	23	breathing diseases.
24	lawyers, you should go talk to Mr. Jones in R and D	24	Q Did that include claims for talcosis?
25	and Mrs. McGillicutty in quality assurance, that	25	A It may have. I don't remember
	Page 30		Dama 22
	1490 00		Page 32
1	-	1	
1 2	kind of thing?	1 2	specifically.
1 2 3	kind of thing? MS. O'CONNOR: Objection to the form.	1 2 3	specifically. Q Do you know what talcosis is?
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8 Q So, in this advertisement, Johnson and 9 Johnson is actually promoting the liberal 9 understanding was as to how the products was being	
9 Johnson is actually promoting the liberal 9 understanding was as to how the products was being	
10 application of Johnson's Baby Powder, correct? 10 applied?	5
MS. O'CONNOR: Objection to the form. 11 MS. O'CONNOR: Objection, vague,	
12 You can answer. 12 ambiguous.	
A What it says here, liberal application 13 A I don't know. Again, this is 1971, so I	
14 will do wonders. 14 don't know.	
Q This particular advertisement goes all the 15 Q That's a period of time now of thirty	
way back to the '40s, correct? 16 years. You had an advertisement from 1942 that	
17 A It looks like it says 1942. 17 talks about liberal application, and now you have an	. [
18 Q And there was a time in your career where 18 internal document that talks about liberal	
19 you actually went back and looked at historical 19 application in 1972, correct? 1971, correct?	
20 advertisements so you could provide information 20 MS. O'CONNOR: Objection. You can	
21 about how the baby powder product was actually being 21 answer.	
22 used historically, correct? 22 A Repeat the question. 23 A No. I didn't go back and look at 23 O You have seen here is an advertisement	
historical advertisements. 24 from 1952 that talked about liberal application and 25 Q I'll show you what's been marked exhibit 25 an internal Johnson and Johnson document still,	
an internal Johnson and Johnson document still,	

thirty years inter, also talking about liberal application, correct? MS. O'CONNOR: Objection. MS. O'CONNOR: Objection. MS. O'CONNOR: Objection. A Again, I can't say anything about these, but it appears the one from 1971 is talking about applying the powder on the diaper. Description of the document. You can applying the powder on the diaper. Description of the document of the document. Page 38 MS. O'CONNOR: The seed also on the diagonal about where Johnson's Baby Powder was commonly used on adults. Page 40 MS. O'CONNOR: Objection to the mischaracterization of the document. Page 38 MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to the mischaracterization of the document. MS. O'CONNOR: Objection to t		Page 37		Page 39
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4 Mischaracterization of the document. You can 5 answer. 6 A Again, I can't say anything about these, 6 but it appears the one from 1971 is talking about 8 applying the powder on the diaper. 9 Q Liberally. 10 A They use the world liberal, yes. 11 Q Now, by the way, if you know, who was Maria 12 Pilar Garcia Villacorte? 13 A I don't know. 14 Q Do you know who Christine Sanchez was? 14 Q Do you know who Christine Sanchez was? 15 A No. 16 Q I'm going to show you exhibits 408. This is from 2001. You were working at Johnson and 18 Johnson in 2001, correct? 19 A Yes. 20 Q Have you ever seen this particular Power 21 Point before? Take a quick look at it. 22 A No. 23 MS.O'CONNOR: There are dates on this document that I don't think were on the original. I think it is a print date. 24 this document that I don't think were on the original. I think it is a print date. 25 MR.PLACITELLA: That's us. Go 4 Q I rule on the screen a page from the Power Powder bin that stars, 'Areas of the body where powder is commonly used on adults.'' Do you see there? 8 A That's what is says, yes. 9 Q Is this consistent with your understanding about where Johnson's Baby Dowder as commonly used on adults.'' Do you see there? 9 MS.O'CONNOR: Objection to the mischaracterization of the document. 11 A Yes, I commonly used on a baby. Do you see ther? 12 MS.O'CONNOR: Objection to the mischaracterization of the document. 13 A Yes, I commonly used on the legral Johnson and Johnson. correct? 14 A Yes, I commonly used on the legral powder is commonly used on adults.'' Do you see ther? 15 A Yes. 16 A Yes, I commonly used on the legral Johnson and Johnson and Johnson. correct? 17 A Johnson and Johnson	2	application, correct?	2	actually had some personal experience with this with
5 Section	3	MS. O'CONNOR: Objection.	3	your own kids, right?
6 A Again, I can't say anything about these, 7 but it appears the one from 1971 is talking about 8 applying the prowder on the diaper. 9 Q Liberally. 10 A They use the world liberal, yes. 11 Q Now, by the way, if you know, who was Maria 12 Pilar Garcia Villacorte? 13 A I don't know. 14 Q Do you know who Christine Sanchez was? 15 A No. 16 Q Tingoing to show you exhibits 408. This is from 2001. You were working at Johnson and 17 is form 2001. You were working at Johnson and 17 is form 2001. You were working at Johnson and 17 is form 2001. You were working at Johnson and 17 is form 2001. You were working at Johnson and 17 is form 2001. You were seen this particular Power 20 Q Have you ever seen this particular Power 21 Point before? Take a quick look at it. 22 A No. 23 MS. O'CONNOR: There are dates on this document that I don't think were on the original. I think it is a print date. Page 38 Page 38 Page 40 Page 40 Page 40 Page 40 Q Is that usually, what, within a foot of the mouth and the baby powder would be used on a child in your experience? A It could be used on the legs, behind the knees, on the length of the baby. As I said, it would be on their foot, behind their knees. Q Is that usually, what, within a foot of the mouth and nose? A Yes, I would agree with that. Q What is the Carbos the mouth and nose? A Yes, I do. Q What is the farthest point from the mouth and nose? A Yes, I would agree with that. A Yes, I would agree with that. Q I have chould be applied in terms of distunce? A Depends on the length of the baby. As I said, it would be on their foot, behind their knees. Q What is the closest point to the mouth and nose? A Yes, I do. Q I shat consistent with your understanding about where Johnson's Baby Powder was commonly used on a dults? A Yes, I would agree with that. Q I show the neck, the underarms, the folds in the skin and the diaper area, correct? A Yes, I would agree with that. Q I shat was a question that, or questions like that that you were called upon to answer as patr of your job at Jo	4	Mischaracterization of the document. You can	4	A Yes. I commonly used Johnson's Baby
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8 applying the powder on the diaper. 8 Q Liberally. 9 Q When you used the baby powder on your kids, and you were finished using it, where would you typically put it down? Near the head or near the feet? 12 Pilar Garciai Villagorte? 12 13 A 1 don't know. 13 A Near the feet. 14 Q Do you know who Christine Sanchez was? 14 Q Near the feet? 15 A No. 15 A Yes. 16 Q I'm going to show you exhibits 408. This is from 2001, You were working at Johnson and 17 18 Johnson in 2001, correct? 20 Johnson in 2001, correct? 21 Johnson in 2001, correct? 21 Johnson in 2001, correct? 22 Johnson in 2001, correct? 23 A Toould be used on a child in your correct world be used on a child in your correct. 25 Johnson in 2001, correct world be used on a child in your correct. 25 Johnson in 2001, correct world be used on a child in your correct. 26 Johnson in 2001, correct world be used on a child in your correct. 27 Johnson in 2001, correct world be used on a child in your correct. 28 Johnson in 2001, correct world be used on a child in your correct. 29 Johnson in 2001, correct world be used on the legs, behind the knees, on the feet. 29 Johnson in 40 Johnso	6	A Again, I can't say anything about these,	6	Q Is this consistent with what you did with
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10	8	applying the powder on the diaper.	8	A Yes, it is.
11 Q Now, by the way, if you know, who was Maria 12 2 2 2 A I don't know. 13 3 A Near the feet. 14 Q Do you know who Christine Sanchez was? 14 Q Near the feet. 15 A Yes. 16 Q Im going to show you exhibits 408. This 16 Q Do you know who Christine Sanchez was? 14 Q Near the feet? 18 A Yes. 19 I usually closed it after using it. 17 I usually closed it after using it. 18 Johnson in 2001, corner? 19 Johnson in 2001, corner? 20 Johnson in 2001, corner? 20 Johnson in 2001, corner? 20 Johnson and Johnson, correct? 20 Johnson and Johnson, correct? 20 Johnson and Johnson, correct? 20 J	9	Q Liberally.	9	Q When you used the baby powder on your
12	10	A They use the world liberal, yes.	10	kids, and you were finished using it, where would
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14	12	Pilar Garcia Villacorte?	12	the feet?
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17	15	A No.	15	A Yes.
18 Johnson in 2001, correct? 19 A Yes. 20 Q Have you ever seen this particular Power 21 Point before? Take a quick look at it. 22 A No. 23 MS. O'CONNOR: There are dates on 24 this document that I don't think were on the 25 original. I think it is a print date. Page 38 19 Q Is that usually closed it after using it. 21 what is the furthest point from the mouth that the 22 baby powder would be used on a child in your 23 experience? 24 A No. 25 A It could be used on the legs, behind the 25 knees, on the feet. Page 40 1 MR. PLACITELLA: That's us. Go 2 ahead. 3 A This does not seem familiar to me, no. 4 Q I put up on the screen a page from the 5 Power Point that states, "Areas of the body where 6 powder is commonly used on adults." Do you see 6 there? 7 there? 8 A That's what is says, yes. 9 Q Is this consistent with your understanding 10 about where Johnson's Baby Powder was commonly used 11 on adults? 12 MS. O'CONNOR: Objection to the 13 mischaracterization of the document. 14 A Yes, I would agree with that. 15 Q If you go to the next page, I also put up 16 on the screen areas of the body where baby powder is 17 commonly used on a baby. Do you see that? 18 A Yes, I do. 19 Q It shows the neck, the underarms, the 19 folds in the skin and the diaper area, correct? 20 Q Is that usually, what, within a foot of 21 the mouth? 22 In the mouth? 23 A No. 24 Q What is the farthest point from the mouth 25 in your estimation on a child that the baby powder 26 would be applied in terms of distance? 27 A Depends on the length of the baby. As I 28 said, it would be on their foot, behind their knees. 29 Q What is the closest point to the mouth and 20 nose? 20 A Under the neck folds. 21 Q I wrote down a question on this piece of 22 page, and the question is, and this is my 23 about where the product was commonly used on 24 A Yes. 25 Q Is that consistent with your understanding 26 about where the product was commonly used on 27 Depends on the length of the baby. 28 A Yes. 29 Q Is that one state of the document. 30 A Thise that. 4	16	Q I'm going to show you exhibits 408. This	16	Q Did you have any concerns that the child
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25 A Yes. 25 Q And that question was raised over and over	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	ahead. A This does not seem familiar to me, no. Q I put up on the screen a page from the Power Point that states, "Areas of the body where powder is commonly used on adults." Do you see there? A That's what is says, yes. Q Is this consistent with your understanding about where Johnson's Baby Powder was commonly used on adults? MS. O'CONNOR: Objection to the mischaracterization of the document. A Yes, I would agree with that. Q If you go to the next page, I also put up on the screen areas of the body where baby powder is commonly used on a baby. Do you see that? A Yes, I do. Q It shows the neck, the underarms, the folds in the skin and the diaper area, correct? A Yes. Q Is that consistent with your understanding about where the product was commonly used on	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	the mouth? A No. Q What is the farthest point from the mouth in your estimation on a child that the baby powder would be applied in terms of distance? A Depends on the length of the baby. As I said, it would be on their foot, behind their knees. Q What is the closest point to the mouth and nose? A Under the neck folds. Q I wrote down a question on this piece of paper, and the question is, and this is my handwriting by the way. Can you see it up on your screen? A Yes. Q "Did the talc that was used in any J and J Baby Powder product ever contain any amounts of asbestos?" Do you see that? A I see that. Q That was a question that, or questions like that that you were called upon to answer as part of your job at Johnson and Johnson, correct?
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	- 41		5 40
	Page 41		Page 43
1	again by people outside of Johnson and Johnson from	1	regulatory, our marketing, different people in
2	almost the time you started working there, correct?	2	research and probably quality assurance, but I don't
3	MS. O'CONNOR: Objection to form	3	know for sure.
4	of the question. You can answer.	4	Q In this particular document, which was
5	A I know it was a question that we received,	5	1986, I'll blow up the paragraph, you said, and this
6	yes.	6	is about the conversation you had with the nurse at
7	Q And part of your job was to answer that	7	the hospital, correct?
8	question repeatedly on an ongoing basis, correct?	8	A Yes.
	MS. O'CONNOR: Objection to the form.		
9	J. Control of the con	9	`
10	Vague and ambiguous.	10	whether baby powder could cause cancer or lung
11	A We provided that information when the	11	disease?
12	consumers asked it, yes.	12	A That's what she was questioning.
13	Q Now, even when you were dealing with your	13	Q You told her what your position was at
14	own child in the hospital, that issue was raised to	14	Johnson and Johnson, according to this, right?
15	you specifically by health care providers in the	15	A That's what it says, yes.
16	hospital lot, correct?	16	Q And you said that you had studies
17	MS. O'CONNOR: Objection to the form	17	disputing the statement that talc causes lung
18	of the question. Vagues and ambiguous. You can	18	disease, correct?
19	answer.	19	A I said we have studies.
20	A Yes. One nurse did say that.	20	Q What studies were you referring to? Do
21	Q What do you recall about that exchange?	21	you know?
22	A Going back a few years to when my daughter	22	A I don't know specifically.
23	was born. The nurse in the post partum, after birth	23	Q It says, and it also talks about ovarian
24	area, said, "Oh, don't use baby powder." And I	24	cancer. Was the subject of ovarian cancer discussed
25	asked her why, and she said, "It is dangerous,"	25	with the nurse back in 1986?
	, ,		
	Page 42		Page 44
	Page 42		Page 44
1	but she didn't know why.	1	A It is looks like that was brought up. I
1 2	but she didn't know why. Q Your response was what?	2	A It is looks like that was brought up. I don't remember what was specifically other than
	but she didn't know why. Q Your response was what? A That it was not dangerous.		A It is looks like that was brought up. I don't remember what was specifically other than what's here.
2	but she didn't know why. Q Your response was what? A That it was not dangerous. Q Now, did you actually communicate that	2 3 4	A It is looks like that was brought up. I don't remember what was specifically other than what's here. Q Was the subject of asbestos also brought
2	but she didn't know why. Q Your response was what? A That it was not dangerous. Q Now, did you actually communicate that exchange within Johnson and Johnson?	2 3	A It is looks like that was brought up. I don't remember what was specifically other than what's here.
2 3 4	but she didn't know why. Q Your response was what? A That it was not dangerous. Q Now, did you actually communicate that	2 3 4	A It is looks like that was brought up. I don't remember what was specifically other than what's here. Q Was the subject of asbestos also brought
2 3 4 5	but she didn't know why. Q Your response was what? A That it was not dangerous. Q Now, did you actually communicate that exchange within Johnson and Johnson?	2 3 4 5	A It is looks like that was brought up. I don't remember what was specifically other than what's here. Q Was the subject of asbestos also brought up in the context of your conversation with the
2 3 4 5 6	but she didn't know why. Q Your response was what? A That it was not dangerous. Q Now, did you actually communicate that exchange within Johnson and Johnson? A Yes, I believe I did.	2 3 4 5 6	A It is looks like that was brought up. I don't remember what was specifically other than what's here. Q Was the subject of asbestos also brought up in the context of your conversation with the nurse?
2 3 4 5 6 7	but she didn't know why. Q Your response was what? A That it was not dangerous. Q Now, did you actually communicate that exchange within Johnson and Johnson? A Yes, I believe I did. Q I'm going to show you a memo January 2,	2 3 4 5 6 7	A It is looks like that was brought up. I don't remember what was specifically other than what's here. Q Was the subject of asbestos also brought up in the context of your conversation with the nurse? A I don't remember the conversation and I
2 3 4 5 6 7 8	but she didn't know why. Q Your response was what? A That it was not dangerous. Q Now, did you actually communicate that exchange within Johnson and Johnson? A Yes, I believe I did. Q I'm going to show you a memo January 2, 1986, and ask you to take a look at it. And while	2 3 4 5 6 7 8	A It is looks like that was brought up. I don't remember what was specifically other than what's here. Q Was the subject of asbestos also brought up in the context of your conversation with the nurse? A I don't remember the conversation and I don't see anything about asbestos here with that
2 3 4 5 6 7 8 9	but she didn't know why. Q Your response was what? A That it was not dangerous. Q Now, did you actually communicate that exchange within Johnson and Johnson? A Yes, I believe I did. Q I'm going to show you a memo January 2, 1986, and ask you to take a look at it. And while you are doing that, I'm going to go over this	2 3 4 5 6 7 8	A It is looks like that was brought up. I don't remember what was specifically other than what's here. Q Was the subject of asbestos also brought up in the context of your conversation with the nurse? A I don't remember the conversation and I don't see anything about asbestos here with that nurse.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	but she didn't know why. Q Your response was what? A That it was not dangerous. Q Now, did you actually communicate that exchange within Johnson and Johnson? A Yes, I believe I did. Q I'm going to show you a memo January 2, 1986, and ask you to take a look at it. And while you are doing that, I'm going to go over this question that in we went over in black pen so everybody can read it. Exhibit 325 is a June January 2, 1986 memo that you wrote and the re is Johnson's Baby Powder, correct? A That is correct. Q Do you see that? It says to distribution. What does that mean? A I would I don't remember, but that would be a group of people who routinely copied on or sent information about specific issues. Q Distribution, did that go beyond your department? A Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A It is looks like that was brought up. I don't remember what was specifically other than what's here. Q Was the subject of asbestos also brought up in the context of your conversation with the nurse? A I don't remember the conversation and I don't see anything about asbestos here with that nurse. Q So if I go to the next page, you document that the nurse told you that somebody from Johnson and Johnson told her specifically that the baby powder was being taken off the market because it contained asbestos, right? A That's what it says here, that the nurse said, the second nurse. Q You said you immediately responded that the product did not contain asbestos, correct? A That's correct. Q So you discussed with the nurse in 1986 the subject of asbestos, cancer, ovarian cancer and lung disease, correct? A Two different nurses I had a conversation

	Page 45		Page 47
1	hospital who both raised the issue about whether	1	company.
2	Johnson's Baby Powder was capable of causing lung	2	Q "Johnson's Baby Powder does not contain
3	disease and cancer, correct?	3	asbestos. I explained we own our talc mines and
4	A The first nurse did question, according to	4	have complete control over the product." Do you see
5	the notes here, cancer and lung disease. And the	5	that?
6	the second nurse, yes.	6	A Yes.
7	Q When you were making statements that the	7	Q What was the source of that information
8	product doesn't contain asbestos, had you actually	8	that you conveyed to this person?
9	seen testing results showing that the product	9	A What do you mean, the source?
10	doesn't contain asbestos, or were you relying upon	10	Q You say we have complete control of our
11	someone else for that information?	11	talc mines. Control over the product. What is the
12	A I would rely on members of my team who	12	source of that information?
13	were experts in that field.	13	A That would have been information from
14	Q And who specifically at that time?	14	manufacturing and quality assurance.
15	A At that time I don't remember too many	15	Q Who specifically, if you remember?
16	names. It may have Don Hicks in quality assurance.	16	A As I said earlier, I don't remember. One
17	I don't remember a lot of names 30 years ago.	17	one name I remember Don hicks.
18	Q That is fair enough.	18	Q Was it also part of your function, in
19	I'm going to show you Exhibit 358 and	19	addition to responding to consumers, to respond to
20	ask you to take a look at that. 358 is another memo	20	the media as it related to safety of the products
21	that was authored by you on the same date, correct?	21	you were involved with?
22	A Yes.	22	A Yes, it was.
23	Q It was about Johnson's Baby Powder and you	23	Q I'm going to show you Exhibit 410. I'll
24	sent it to the distribution list, correct?	24	tell you this is not from Johnson and Johnson's
25	A That's what it says, yes.	25	files, but you would be happy to know that Nancy
	Page 46		Page 48
1	Q On the re it says redacted personal	1	Musco lives on on the internet. We pulled this off
2	information. What kind of personal information	2	the internet.
3	would you put on a re about Johnson's Baby Powder	3	This is an article entitled:
4	that no one is allowed to see?	4	"Asbestos has not been found in talcum powder, firm
5	MS. O'CONNOR: Objection to the form	5	says," and the date is June 4, 1987. Do you see
6	of the question. Argumentative and ambiguous. You	6	that?
7	can answer.	7	A Yes, I see that.
8	A I didn't redact it, so I don't know what	8	Q Do you recall the circumstances of this
9	that is.	9	article?
10	Q You state that on December 26, 1985, you	10	A No, I do not.
11	spoke with, and then it is whited out, concerning.	11	Q It states here, "Nancy Musco, a registered
12	MS. O'CONNOR. Redacted.	12	nurse and manager of Johnson and Johnson Medical
13	Q Redacted, concerning the safety of	13	Services, assures us that her company's source of
14	Johnson's Baby Powder. Then it is redacted and it	14	talc since the 1920s, chosen for its purity has been
15	says, "Claims he heard a new report on WINS Radio	15	Italy and later Vermont, and the same sources are
16	stating that Johnson's Baby Powder contains	16	used today. When the asbestos issue arose in 1970,
	particles of asbestos and children with weak trachea	17	the company started formally testing for asbestos
17	11.11.6		with the claim that non ever was found " 1 to you see
18	could die from its use." Do you see that?	18	with the claim that non ever was found." Do you see
18 19	A I see that, yes.	19	that?
18 19 20	A I see that, yes.Q Do you know who you spoke to?	19 20	that? A Yes, I do.
18 19 20 21	A I see that, yes.Q Do you know who you spoke to?A No.	19 20 21	that? A Yes, I do. Q Do you know what the source of that
18 19 20 21 22	A I see that, yes.Q Do you know who you spoke to?A No.Q It says, "I began my conversation by	19 20 21 22	that? A Yes, I do. Q Do you know what the source of that information was as you relate it in this news story
18 19 20 21 22 23	 A I see that, yes. Q Do you know who you spoke to? A No. Q It says, "I began my conversation by informing" was this somebody inside the company 	19 20 21 22 23	that? A Yes, I do. Q Do you know what the source of that information was as you relate it in this news story in 1987?
18 19 20 21 22	A I see that, yes.Q Do you know who you spoke to?A No.Q It says, "I began my conversation by	19 20 21 22	that? A Yes, I do. Q Do you know what the source of that information was as you relate it in this news story

	Page 49		Page 51
1	Q Is the only person you can recall Mr.	1	Q On the bottom, in the middle it talks
2	Hicks?	2	about 1976. It says, "Prior to 1976, some powders
3	A Yes. One other gentleman, Sam Jiwrajka.	3	were found to contain very minute traces of
4	Those are the only names I remember.	4	asbestos." Do you see that?
5	Q But am I correct that you had no personal	5	A Yes.
6	knowledge of this testing. You never spoke to	6	Q Did you know that?
7	anyone who did the testing and never reviewed any of	7	A Well, the point is Johnson's Baby Powder
8	the tests yourself?	8	did not.
9	A No, that was not my role.	9	Q And what you were telling people is that
10	Q So no, it never happened?	10	no matter what was found in other people's baby
11	A Correct.	11	powder, none was ever found in Johnson's Baby
12	Q 401 I'm going to give to you, and I'll put	12	Powder, correct?
13	it up on the screen. 401 is a document with the	13	A No. What I was telling people is
14	handwriting on the top, paper number 3. Do you see	14	Johnson's Baby Powder does not contain asbestos.
15	that?	15	Q Never did and never will?
16	A Yes.	16	A Correct.
17	Q According to the production by Johnson and	17	Q Now, on the bottom, there's a note that
18	Johnson, this document came from your file. Do you	18	says, "Note, if asked questions, you should speak to
19	recognize this document?	19	the positive J and J story. For example, has
20	A No, I do not.	20	asbestos ever been found in any baby powders? And
21	Q It states on the top, "This information	21	the suggested response is I can assure you asbestos
22	was from CPI." Do you see that?	22	has never been found in Johnson's Baby Powder and
23	A Yes.	23	never will." Correct?
24	Q Do you know what CPI was?	24	A That is correct.
25	A Consumer Products, Inc.	25	Q That is exactly what you told people?
	Page 50		Page 52
1	Q So when it said the information came from	1	A Yes.
2	CPI, Consumer Products, Inc., was that a different	2	Q And that's similar to the question I wrote
	CPI, Consumer Products, Inc., was that a different part of the company or part of the company you		Q And that's similar to the question I wrote down when we started the deposition, correct?
2	CPI, Consumer Products, Inc., was that a different part of the company or part of the company you worked for?	2 3 4	Q And that's similar to the question I wrote down when we started the deposition, correct? A Yes. Johnson's Baby Powder does not
2 3 4 5	CPI, Consumer Products, Inc., was that a different part of the company or part of the company you worked for? A I don't know what year this was or where	2 3 4 5	Q And that's similar to the question I wrote down when we started the deposition, correct? A Yes. Johnson's Baby Powder does not contain asbestos.
2 3 4	CPI, Consumer Products, Inc., was that a different part of the company or part of the company you worked for? A I don't know what year this was or where this was from.	2 3 4 5 6	Q And that's similar to the question I wrote down when we started the deposition, correct? A Yes. Johnson's Baby Powder does not contain asbestos. Q Did the talc that was used in any
2 3 4 5 6 7	CPI, Consumer Products, Inc., was that a different part of the company or part of the company you worked for? A I don't know what year this was or where this was from. Q I want to ask you about some parts of it	2 3 4 5 6 7	Q And that's similar to the question I wrote down when we started the deposition, correct? A Yes. Johnson's Baby Powder does not contain asbestos. Q Did the talc that was used in any Johnson's Baby Powder product ever contain any
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Katherine Murphy? 1 noted, I was only copied and was copied after the fact wan FYI. G Right. You were being told what happened leading up to why you got the email, correct? S Ms. O'CONNOR: Objection, vague and ambiguous. A Haw so copporate also. A Haw so copporate and because a maniguous. A Haw so copporate and because and because a maniguous. A Haw so copporate and because a maniguous. A Haw so copporate also. A Haw so copporate and because and because a maniguous. A Haw so copporate also. A Haw so copporate also and		Page 53		Page 55
2 A A marketing person. 3 Q So she was in marketing? 4 A Yes. 5 Q And then to yourself, correct? 5 A Yes. 6 A Yes. 7 Q To Jeffrey Lebaw, L E B A W. 8 A He was corporate also. 9 Q When you any corporate, what do you mean by that? 11 A Public relations. 12 Q And then there's a Gary Noble? 13 A Yes. 14 Q And who is he? 15 A I believe he was R and D, research. 16 Q The below that are some other people who are sitting here. Veronica Rubio, who way she? 17 A I don't know him. 18 e J Hour D How about Ray Gregiore? 19 A I don't know him. 20 Q How about Ray Gregiore? 21 A I don't know him. 22 Q How about Michael Chulklowski, 23 CHUDKO W S K I? 24 A A research and development person. 25 Q And all of these emails have a parenthesis 26 Caporate, U.S. That's the designation of which Johnson and Johnson and Johnson and Johnson division. 27 Q For example, for John McKeegan it says 28 JUCUS, that's corporate? 29 A A Correct. 20 Q And the for yourself it says CPCUS. What does not be a substy of the cmail sact in what it says, yes. 30 Q For example, for John McKeegan it says 30 Q For example, for John McKeegan it says 41 Q And the one constantly tested to ensure the purity of the raw material, correct? 42 A Correct. 43 Q And the for yourself it says CPCUS. What does not support the contains a sebestors. In the mine we used are carefully selected and constantly tested to ensure the purity of the raw material, correct? 44 That's correct. 45 Q And the for yourself it says CPCUS. What does not support the contains a sebestors in the mine where the haby powder came from the form. 46 Corporate, U.S. That's the designation of which Johnson and Johnson division. 47 Q And the email starts on the bottom at that the firm of the form. 48 GOCONNOR: Objection to the form. 49 Drug would like information on Johnson's Baby Powder. 40 Corporate very the purity of the raw material is pure and did not contain sheeties? 40 Q So you are involved the only in dealing. 40 A That's what it says, yes. 41 Corporate very the purity of the form was absestors	1	Katherine Murphy?	1	noted, I was only copied and was copied after the
O So she was in marketing? A Yes. O And then to yourself, correct? O And was corporate also. O And was corporate also. O When you any corporate, what do you mean by that? A Public relations. O And who is he? A Determine there's a Gary Noble? A Determine the was R and D, research. O And who is he? A I believe he was R and D, research. O The below that are some other people who are identified and we will get them while we are stiff from the company. A correct? I don't know him. O How about Ray Gregiore? O How about Ray Gregiore? O How about Michael Chudkowski, C HUDK O W SK I? A A I seases. Page 54 Some of them say in parenthesis JJCUS. What did that stund for? A I the specific Johnson and Johnson C corporate, U.S. That's the designation of which Johnson and Johnson of C Corporate, U.S. That's the designation of which Johnson and Johnson of C Corporate, U.S. That's the designation of which Johnson and Johnson of C Corporate, U.S. That's the designation of which Johnson and Johnson of C Corporate, U.S. That's the designation of which Johnson and Johnson of C Corporate, U.S. That's the designation of which Johnson and Johnson of C Corporate, U.S. That's the designation of which Johnson and Johnson of C Corporate Profice I was a short store of the company. Low worked in your part of the company, correct? C PCUS. A I the specific and we will get them while we are stored that stund for? A I there was R and D, research. D A Correct. Page 54 Some of them say in parenthesis JJCUS. What did that stund for? A That's some of them say in parenthesis JJCUS. What did that stund for? A I the specific Johnson and Johnson of Corporate, U.S. That's the designation of which Johnson and Johnson of Corporate, U.S. That's the designation of which Johnson and Johnson of Corporate Polymous the mine where the biby powder came from? A Correct. O And the menal stars on the bottom at that time from Mr. Gregore saying, 'Vernonica, Long's U.S. That's the mine we was asbestos in the mine where the biby powd	2		2	· -
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8	6	A Yes.	6	ambiguous.
9 Q When you any corporate, what do you mean by that? 10 by that? 11 A Public relations. 12 Q And then there's a Gary Noble? 13 A Yes. 14 Q And who is he? 15 A I believe he was R and D, research. 16 Q The below that are some other people who are identified and we will get them while we are sitting here. Veronica Rubio, who way she? 18 sitting here. Veronica Rubio, who way she? 19 A I don't know. 20 Q How about Ray Gregiore? 21 A I don't know him. 22 Q How about Michael Chudkowski, 22 CHUDKOWS K!? 23 CHUDKOWS K!? 24 A A research and development person. 25 Q And all of these emails have a parenthesis 26 Lat that stand for? 27 A It the specific Johnson and Johnson company. I don't know what all the letters are for. 28 Lat that stand for? 29 G Por example, for John McKeegan it says 29 JJCUS, that's corporate? 30 A Correct. 40 And the email starts on the bottom at that time from Mr. Gregiore saying, "Vernonica, Long's Druck and formation and Johnson's Baby Powder product, correct." 29 A That's what it says, yes. 30 A That's what it is ays, yes. 41 Long And the concern below, "Correct? 42 A Now Mat it says, yes. 43 A I don't know him. 44 Correct. 45 A That's correct. 46 Corporate, U.S. That's the designation of which for yourself it says CPCUS. What dies that fain for? 47 A Correct. 48 Corporate? 49 A Correct. 40 And then for yourself it says CPCUS. What time from Mr. Gregiore saying, "Vernonica, Long's Druck and for? 40 And then for yourself it says CPCUS. What time from Mr. Gregiore saying, "Vernonica, Long's Druck and for? 40 A Correct? 41 Q And the meal starts on the bottom at that time from Mr. Gregiore saying, "Vernonica, Long's Druck and for? 42 Q So you are involved not only in dealing with the media and consumers, but even distributors of the lohnson Baby Powder product, correct. 43 A We did not discuss the mines. The important thing was that the cosmetic talc used was fee of absetsos.	7		7	A It was an FYI. They were telling me about
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11 Q And then for yourself it says CPCUS. What 12 does that stand for? 13 A Consumer Products Company. 14 Q And the email starts on the bottom at that 15 time from Mr. Gregiore saying, "Vernonica, Long's 16 Drug would like information on Johnson's Baby Powder 17 specifically as it applies to any relationship of 18 talc to asbestos as reported in local Bay Area 19 media," Correct? 10 So you are involved not only in dealing 20 What was told to you by people inside of 21 the mines they used contained asbestos or that it 22 with the media and consumers, but even distributors 23 of the Johnson Baby Powder product, correct. 24 MS. O'CONNOR: Objection to the form. 26 MR. GOLDSTEIN: 27 MR. GOLDSTEIN: 28 MS. O'CONNOR: Objection to the form. 28 MS. O'CONNOR: Objection to the form. 29 MR. GOLDSTEIN: 20 MR. GOLDSTEIN: 20 MR. GOLDSTEIN: 20 MR. GOLDSTEIN: 21 MR. GOLDSTEIN: 22 MS. O'CONNOR: Objection to the form.	9	JJCUS, that's corporate?	9	was asbestos in the mine where the baby powder came
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25 A I have to read the whole thing, but as you 25 Q But you, at some point in time, actually	12 13 14 15 16 17 18 19 20 21 22 23	does that stand for? A Consumer Products Company. Q And the email starts on the bottom at that time from Mr. Gregiore saying, "Vernonica, Long's Drug would like information on Johnson's Baby Powder specifically as it applies to any relationship of talc to asbestos as reported in local Bay Area media," Correct? A That's what it says, yes. Q So you are involved not only in dealing with the media and consumers, but even distributors of the Johnson Baby Powder product, correct.	13 14 15 16 17 18 19 20 21 22 23	MR. GOLDSTEIN: Join. MS. O'CONNOR: You can answer. A No. What it says here that the mine we used are carefully collected and then we test to insure the raw material is pure and did not contain asbestos. Q What was told to you by people inside of Johnson and Johnson? Did they tell you that none of the mines they used contained asbestos or that it did contain asbestos? A We did not discuss the mines. The important thing was that the cosmetic talc used was
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1	related that the mine did not contain asbestos,	1	My pad says the question, "Did the
2	correct?	2	tale that was used in any J and J Baby Powder
3	A The talc was tested to ensure that it did	3	product ever contain any amount of asbestos," and I
4	not contain asbestos.	4	think I want to see if this characterizes your
5	Q So you never made a representation	5	testimony correctly. There is no evidence that
6	anywhere that the maintenance from which the talc	6	Johnson's Baby Powder contained any amount of
7	came did not contain asbestos?	7	asbestos and there never was?
8	MS. O'CONNOR: Objection.	8	A That's correct.
9	Mischaracterizes the testimony. You can answer.	9	Q And that's what you were telling people?
10	A I can't speak to the mine. It is the	10	A Yes, that's correct.
11	finished product, the talc used in our product.	11	Q I want to talk a little bit about I
12	Q By the way, this is not an endurance test,	12	guess I should add, or will be. Is what the
13	so any time you need to take a break.	13	document said, never was and never will be?
14	MS. O'CONNOR: We can take a break.	14	A There never will be.
15	MR. PLACITELLA: Let me finish this	15	Q Now I want to talk about the basis for
16	one document.	16	that statement. Is your understanding that tests
17	Q This document is an email dated 6-1-2000.	17	were actually done to verify that statement?
18	The subject is talc and asbestos. You are one of	18	A That's correct.
19	the recipients on this email, correct?	19	Q And who did those tests?
20	A Yes.	20	A They would have been performed at the
21	Q And it is from John McKeegan in Corporate,	21	manufacturing sites. I don't know specifically who
22	correct?	22	did them, no.
23	A Correct.	23	Q You never actually saw the tests yourself,
24	Q One of the people he sent it to is Owen	24	correct?
25	Rankin. Do you know who Owen Rankin was?	25	A Correct.
	Page 58		Page 60
1	A Yes. Owen Rankin was the President of	1	Q You relied upon the people that you went
2	Baby Products.	2	to to tell you the entire truth, and nothing but the
3	Q It states, "Just to let you know, I still	3	entire truth, correct?
4	haven't heard back from the Seattle Post	4	A Yes. I know these people didn't lie.
5	Intelligencer."	5	They were scientists. They were valid.
6	Do you recall an exchange with the	6	Q When you say they were done at
7	Seattle Post Intelligencer about Johnson's Baby	7	
	D1111	1	manufacturing, what manufacturing facilities are you
8	Powder and talc and asbestos?	8	manufacturing, what manufacturing facilities are you talking about?
8 9	A No, I do not.	8 9	·
			talking about?
9	A No, I do not.	9	talking about? A I don't know, because that was not my
9 10	A No, I do not. Q And here, and I highlighted it, McKeegan says to you and the president of your company, that he kept impressing upon the reporter that there's no	9	talking about? A I don't know, because that was not my role. I didn't deal with this specifically. I don't know. Q Do you know whether the testing was ever
9 10 11	A No, I do not. Q And here, and I highlighted it, McKeegan says to you and the president of your company, that	9 10 11	talking about? A I don't know, because that was not my role. I didn't deal with this specifically. I don't know.
9 10 11 12	A No, I do not. Q And here, and I highlighted it, McKeegan says to you and the president of your company, that he kept impressing upon the reporter that there's no	9 10 11 12	talking about? A I don't know, because that was not my role. I didn't deal with this specifically. I don't know. Q Do you know whether the testing was ever
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	Page 61		Page 63
1	do you recall?	1	A I'm not an asbestos expert, so I can't say
2	A Sam Jiwrajka and Don Hicks are the too	2	one way or the other.
3	names.	3	Q You are a nurse, you have some health care
4	Q Sam, can you give me the spelling of his	4	background, correct?
5	last name? That's a tough one?	5	A I'm a nurse and I have health care
6	A I'll try. JIWRAJKA, I think.	6	background, but not in asbestos.
7	Q What was his job?	7	Q Did you understand it was the position
8	A He was and the head of quality assurance.	8	internally at Johnson and Johnson that there's no
9	Q And Don Hicks, his job was what?	9	safe level of asbestos exposure?
10	A Director of Quality Assurance.	10	MS. O'CONNOR: Objection to the form
11	Q Now, so we are clear, you never read any	11	of the question.
12	testing reports, summary reports or anything before	12	Q Did you know that?
13	making these statements to patients I'm sorry,	13	MS. O'CONNOR: Objection.
14	consumers or the media, correct?	14	A Again, I'm not an expert on asbestos,
15	A That is correct.	15	so I can't talk about that specifically, no.
16	Q Is it your understanding then that Johnson	16	Q So you didn't know internally at Johnson
17	and Johnson never received any reports indicating	17	and Johnson that the official position was that
18	there was asbestos in Johnson's Baby Powder?	18	there is no safe level of asbestos exposure?
19	A That is correct. There's no asbestos in	19	MS. O'CONNOR: Objection. Asked and
20	Johnson's Baby Powder.	20	answered. You can answer it again.
21	Q When you had these conversations, for	21	A What I do know, did and do know is that
22	example, with the mothers and the consumers, your	22	the pure cosmetic talc used in Johnson's Baby Powder
23	intent was to convey to them there was zero chance	23	is free from asbestos.
24	of exposing their families to asbestos at any level	24	Q Do you know in your experience in working
25	using Johnson's Baby Powder, correct?	25	at Johnson and Johnson, and as a nurse, that the
	Page 62		Page 64
1	A My job was to reassure them they could	1	only known cause of mesothelioma is asbestos
2	feel safe and comfortable using Johnson"s Baby	2	exposure?
3	Powder because it does not contain asbestos.	3	MS. O'CONNOR: Can I hear the
4	Q So there was zero chance of exposing their	4	question back.
5	families to asbestos by using Johnson's Baby Powder.	5	(The above question is read)
6	That was your in intent to convey to them, correct?	6	MS. O'CONNOR: Objection to the form
7	A That is correct.	7	of the question. You can answer.
8	Q And that was the corporate party line from	8	
9	the time you arrived at Johnson and Johnson until	9	A Could you rephrase that?
10	the time you left, correct?	10	Q Did you understand that the only way you
11	MS. O'CONNOR: Objection to the form	11	could develop mesothelioma was from exposuer to
		1 10	· ·
12	of the question. You can answer.	12	asbestos?
12 13	A No, I don't think of it as a party line.	13	A No. I don't know that.
	A No, I don't think of it as a party line. I think of it as the truth.		A No. I don't know that. Q One way or the other?
13	A No, I don't think of it as a party line.	13	A No. I don't know that.
13 14	A No, I don't think of it as a party line. I think of it as the truth. Q That was the corporate position taken by Johnson and Johnson from the time you joined until	13 14	 A No. I don't know that. Q One way or the other? A I don't know of causes of mesothelioma. Q Did you know that asbestos exposure was
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Page 65 Q Did you know that abbestos exposure was linked to lung cancer? A There have been theories, allegations, a yes. Q And you knew, for example, that abbestos exposure could cause control and answer and abbestos in the baby powder. A fact that there is evidence of abbestos in Johnson's Baby Powder, you would be exposing millions of people, including labites, to abbestos, career? A It was the same thing. We don't know what can be a fact that there is evidence of abbestos in Johnson's Baby Powder, you would be exposing millions of people, including labites, to abbestos, correct? A It is thought to, yes. Q Does and you knew, for example, including labites, to abbestos. Is that fair? Q Vou knew discussed the relationship between ovarian cancer and abbestos exposure in your job at Johnson and Johnson? A No, I don't know what discussed the relationship between ovarian cancer and abbestos exposure in your job at Johnson and Johnson? A No, I don't know what discussed the relationship between ovarian cancer and abbestos exposure in your job at Johnson and Johnson? A No, I don't know what discussed the relationship between ovarian cancer and abbestos exposure in your job at Johnson and Johnson? A No, I don't know what discussed the relationship between ovarian cancer and abbestos exposure in your job at Johnson and Johnson? A No, I don't know what discussed the relationship between ovarian cancer and abbestos with the provide a simple answer to a simple question? A I is in thought to, yes. Q Does andestos, cause lung cancer? A I is in thought to, yes. Page 66 of the Johnson's Baby Powder, you did not know what discussed there is an individual of the provide as withing a streaments about the safety B A But there is no abbestos in Johnson's Baby Powder, you would be exposing millions of people, including babies, to abbestos, correct? MS. O'CONNOR: Objection to the form of the question in Abbestos in Johnson's Baby Powder, you would be exposing millions of people, including babies, to abbestos, corre				
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25 A It is a hypothetical. There isn't 25 the lawyer from Drinkle, Biddle to come sit in the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	diseases were associated with exposure to talc that contained asbestos. Is that fair? MS. O'CONNOR: Objection to the form of the question. Vague, ambiguous. You can answer. A Could you rephrase that? Q I'll withdraw it. If you were wrong and there was evidence of asbestos in Johnson's Baby Powder, you would be exposing millions of people, including babies, to asbestos, correct? MS. O'CONNOR: Objection to the form. You can answer. A But there is no asbestos in Johnson's Baby Powder. Q My question is as follows, please. It is a yes or no answer. If you were wrong, and there was evidence of asbestos in Johnson's Baby Powder, you would been exposing millions of people, including babies, to asbestos, correct? MS. O'CONNOR: Objection to the form of the question. Asked and answered. You can	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A Yes, to a simple question. Q So I'll ask you again. If the proof demonstrates that there was, in fact, asbestos in Johnson's Baby Powder, then Johnson and Johnson would have exposed millions of people, including babies, to asbestos, correct? MS. O'CONNOR: Objection to the form. Vague and ambiguous, calls for speculation, asked and answered multiple times. MR. PLACITELLA: I want to say one thing. I know you are pro hoc. Asked and answered is not a proper objection in our jurisdiction. Can you read my question, please, and I would like an answer. MS. O'CONNOR: She answered your question. MR. PLACITELLA: Please don't do that. Please don't do that. MS. O'CONNOR: It is argumentative and threatening to the witnesses. MR. PLACITELLA: I'm not threatening anyone. I'm going to make a phone call if you keep
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	Page 69		Page 71
1	room if that is required. So please follow the	1	MR. PLACITELLA: We will her see the
2	rules.	2	whole video and let her decide.
3	Can you read my question back.	3	Q Am I correct that and I apologize if
4	(The above question is read)	4	you think the tone is offensive. I'll try to dial
5	MS. O'CONNOR: Same objection.	5	it down slightly, okay?
6	J	6	Am I correct you don't know whether
7	A It is an assumption, yes. There would	7	the testing methods used by Johnson and Johnson were
8	be depends on how much asbestos you found	8	capable of providing the same guarantees you were
9	Circumstances. But we are talking about pure grade	9	giving mothers that there was zero chance of
10	cosmetic talc, there's no asbestos in the product.	10	asbestos being in Johnson Baby Powder?
11	Q We are going to get to that. Do you agree	11	MS. O'CONNOR: Objection to the form
12	with me that no child should needlessly be exposed	12	of the question. You can answer.
13	to asbestos?	13	A As I said, I'm not an expert in the
14	A Yes.	14	testing, so I can't speak to the testing.
15	Q Do you agree with me that no adult should	15	Q So the answer would be you don't know?
16	needlessly be exposed to asbestos?	16	A I don't know. That's not my role.
17	A Yes.	17	Q Do you agree with me that Johnson and
18	Q Do you agree with me that when you were at	18	Johnson should have used the most sensitive test
19	Johnson and Johnson it was your understanding that	19	possible that would work in determining whether
20	safety questions about products must be answered	20	there was asbestos in the Johnson's Baby Powder?
21	fully and honestly?	21	MS. O'CONNOR: Objection to the form
22	A Yes, absolutely.	22	of the question. Vague and ambiguous.
23	Q Do you agree with me that if there was	23	Q Let me ask the question this way. Do you
24	asbestos in Johnson's Baby Powder, Johnson and	24	agree with me that Johnson and Johnson had a
25	Johnson had a duty to find it?	25	responsibility to do everything possible to make
	Page 70		Page 72
1	A Well, Johnson and Johnson did test to see	1	sure there was no asbestos in the talc that was used
2	if there was asbestos in the product.	2	in their products?
3	Q Here is my question. Do you agree with me	3	MS. O'CONNOR: Objection to the form.
4	if there is asbestos in the Johnson's Baby Powder,	4	Vague and ambiguous.
5	Johnson and Johnson had a duty to find it?	5	A Yes, and I believe that Johnson and
6	MS. O'CONNOR: Objection to the form	6	Johnson did everything possible.
7	of the question.	7	Q Okay. And you agree with me that the
8	A They fulfilled that duty by testing for	8	question of whether there was asbestos or not in
9	asbestos.	9	products that Johnson and Johnson was selling is a
10	Q You don't know anything about the testing	10	matter of life and death?
11	methods that were used, correct?	11	A Can you rephrase that question?
12	A No. That was not my role.	12	Q Yes. Do you agree with me the question of
13	Q Am I correct you don't know anything about	13	whether there was asbestos in the Johnson and
14	whether the testing methods used by Johnson and	14	Johnson talc product is a matter of life and death?
15	Johnson were capable of providing the same	15	Sub.
16	guarantees you were giving mothers that there was	16	MR. GOLDSTEIN: Objection to the
17	zero chance of asbestos being in Johnson's Baby	17	form.
18	Powder?	18	MS. O'CONNOR: Same objection.
19	MS. O'CONNOR: Objection to the form.	19	A Again, there's no asbestos in the
20	I would object to Mr. Placitella's tone. You are	20	products. It is hard for me to answer that.
21	really starting to cross the line here.	21	Q Now, do you have a recollection of working
22	MR. PLACITELLA: Stop it. We	22	on a case called Krushinski?
23	will show the judge the video and	23	A No.
24	MS. O'CONNOR: I'll be happy to show	24	Q Do you recall actually swearing under oath
25	the judge the tone of your voice.	25	that there was no asbestos in the Johnson's Baby

Powder? A I don't recall that, no. Q Do you recall swearing under oath that there was no sabsatos in any of the mines where the baby powder came from? A I don't recall that, no. Q Do you recall swearing under oath that there was no absatos in any of the mines where the baby powder came from? A I don't recall that, no. Q Do you recall swearing under oath that there was no Tremolite in any of the mines where the baby powder came from? D A I don't recall that, no. A I don't recall that, no. Q Do you know what Tremolite is any of the mines where the baby powder came from? D A I don't recall that, no. A I would never to my question is? A What was the question? D Da you know that Tremolite is? A A mineral. A No, I don't know that. D Do you know what Tremolite is? A A mineral. A No, I don't know that. D Do you know what Tremolite is? A No, I don't know that. D Do you know what Tremolite is? A No, I don't know that. D O you know what Tremolite is? A No, I don't know that. D O you know what Tremolite is? A No, I don't know that. D O you know what Tremolite is? A No, I don't know that. D O you know what Tremolite is? A No, I don't know that. D O you know that. D O you know it is a form of abetests? While you are looking at it, is a set of the marked 277 and ask you to take a look at this. 277, while you are looking at it, is a set of the marked 277 and ask you to take a look at this. 277, while you are looking at it, is a set of the marked 277 and ask you to take a look at this. 277, while you are looking at it, is a set of the marked 277 and ask you to take a look at this. 277, while you are looking at it, is a set of the marked 277 and ask, you to take a look at this. 277, while you are looking at it, is a set of the marked 277 and ask, you to take a look at this. 277, while you are looking at it, is a set of the marked 277 and ask, you to take a look at this. 277, while you are looking at it, is a set of the marked 277 and ask, you to take a look at this. 277, while you are looking at		Page 73		Page 75
3	1	Powder?	1	A Yes.
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baby powder came from? A I don't recall that, no. O Do you know the Tremolite is? A A Mint was the question? A I don't recall that. D Do you know what Tremolite is? A A mineral. O Do you know what Tremolite is? MS. O'CONNOR: Objection to the form. MS.	3	Q Do you recall swearing under oath that	3	review these Answers to Interrogatories?
6 A Okay. Q Do you recall swaring under oath that ### there was no Tremolite in any of the mines where the ### baby powder came from? A I don't recall that. 10 A A mineral. Q Do you know what Tremolite is? 11 Q Do you know what Tremolite is? 12 A A mineral. Q Do you know it is a form of asbestos? MS. O'CONNOR: Objection to the form. You can answer. MS. O'CONNOR: Objection to the form. Q Okay. Fin going to show you what's been in the Law Division of Middlesex County in a case called Krushinski versus Johnson and Johnson. Do you see that? A Yes. Q And if you flip to the last page, the last ### Page 74 Page is a certification dated May 23, 2000, correct? A Yes. Q And under you signed the certification under penalty of perjury, correct? A Yes. Q And who were the people I dealt with. MR. PLACITELLA: Let me read it and I I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELLA: Let me read it and I'll trying to shorteut it. MR. PLACITELL	4	there was no asbestos in any of the mines where the	4	A I have to look and see what it is.
there was no Tremolite in any of the mines where the baby powder came from? baby powder came from? A I don't recall that. D O by ou know what Tremolite is? A A mineral. D O by ou know what Tremolite is? A A mineral. D O by ou know what Tremolite is? A Mineral. D O by ou know what Tremolite is? A Mineral. D O by ou know it is a form of asbestos? MS. O'CONNOR: Objection to the form. Page 74 Page is a certification dated May 23, 2000, correct? A Yes. MS. O'CONNOR: Objection to the form. Page 74 Page is a certification dated May 23, 2000, correct? A Yes. MS. O'CONNOR: Objection to the form. Page 74 Page is a certification dated May 23, 2000, correct? A Yes. MS. O'CONNOR: Objection to the form. Page 74 Page is a certification dated May 23, 2000, correct? A Yes. MS. O'CONNOR: Objection to the form. Page 74 Page is a certification dated May 23, 2000, correct? A Yes. MS. O'CONNOR: Objection to the form. Page 74 Page 74 Page is a certification dated May 23, 2000, correct? A Yes. MS. O'CONNOR: Objection to the form. Page 74 Page 74 Page 74 Page 84 A Yes. MS. O'CONNOR: Objection to the form. Page 74 Page 85 Q And you signed the certification under year year	5	baby powder came from?	5	Q Please take a minute.
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9 bably powder came from? 9 10 A I don't recall that. 10 10 A I don't recall that. 10 10 A I don't recall that. 10 11 12 A A mineral. 12 A A mineral. 12 A I mould have provided this information to our legal department and reviewed it with our legal department and vent legal department and vent legal department and vent legal d	7	Q Do you recall swearing under oath that	7	Q And the answer to my question is?
10 A I don't recall that. 11 Q Do you know what Tremolite is? 12 A A mineral. 13 Q Do you know it is a form of asbestos? 14 MS. O'CONNOR: Objection to the form. 15 You can answer. 16 A No, I don't know that. 17 Q O kay. I'm going to show you what's been 18 marked 277 and ask you to take a look at this. 277, 19 while you are looking at it, is a set of 19 Interrogatories unbitted by Johnson and Johnson in the Law Division of Middlesex County in a case called Krushinski versus Johnson and Johnson. Do you see that? 25 Q And if you flip to the last page, the last 25 Q So you collected the various documents and 19 page is a certification dated May 23, 2000, correct? 2 A Yes. 2 Q And that's your signature? 2 A Yes, it is. 2 Q And you signed the certification under 6 penalty of perjury, correct? 3 A Yes. 4 Q What you state is that you are employed by Johnson and Johnson Consumer Companies, correct? 4 A Correct. 5 Q That you looked at the interrogatories where the consultation of the interrogatories where the consultations and Johnson Consumer Companies, correct? 4 A Correct. 5 Q The foregoing Answers to Interrogatories were prepared, correct? 5 Q The foregoing answers are true and 20 correct for the best of my knowledge, information and belief. If any of the foregoing statements made by 60 go you folded thy physically look at the correct of the heat of my knowledge, information and belief. If any of the foregoing statements made by 60 go you folded this information to ure legal department and reviewed it with our legal department and everythy that in formation to correct your proposed by 10 formation and belief. If any of the foregoing statements made by 9 Go you collected the various documents and 22 docret to the best of my knowledge, information and belief. If any of the foregoing assers are true and 22 me are willfully false, I may be subject to 24 department and reviewed it with our legal department and the verify that the information to tox reinfied? 10 A Correct. 11 Q That is what it says. 22 Q The foregoing an	8	there was no Tremolite in any of the mines where the	8	A What was the question?
11	9	baby powder came from?	9	Q Did you review these answers before
12 A A mineral. 13 Q Do you know it is a form of asbestos? 14 MS, O'CONNOR: Objection to the form. 15 You can answer. 16 A No,1 don't know that. 17 Q Okay. I'm going to show you what's been marked 277 and ask you to take a look at this. 277, with you are looking at it, is a set of late Law Division of Middlesex County in a case claded Krushinski versus Johnson and Johnson. Do you see that? 20 Interrogatories submitted by Johnson and Johnson in the Law Division of Middlesex County in a case claded Krushinski versus Johnson and Johnson. Do you see that? 21 A Yes. 22 Q And if you flip to the last page, the last 25 23 as eartification dated May 23, 2000, correct? 24 A Yes. 25 Q And thar's your signature? 25 Q And thar's your signature? 26 A Yes. 27 Q And you signed the certification under penalty of perjury, correct? 28 Q What you state is that you are employed by Johnson and Johnson Consumer Companies, correct? 29 Johnson and Johnson Consumer Companies, correct? 20 A Correct. 21 Q That you looked at the interrogatories were prepared, correct? 21 Q That you looked at the interrogatories were prepared with the assistance and advice of incomplete interrogatories were prepared with the assistance and advice of incomplete interrogatory answers that were prepared with the assistance and advice of incomplete interrogatory and the proper and your test of the set of my knowledge, information and belief. If any of the foregoing answers are true and correct to the best of my knowledge, information and belief. If any of the foregoing statements made by a correct to the best of my knowledge, information and belief. If any of the foregoing statements made by a correct to the best of my knowledge, information and belief. If any of the foregoing statements made by a correct to the best of my knowledge, information and belief. If any of the foregoing statements made by a correct to the best of my knowledge, information and belief. If any of the foregoing statements made by a correct of the best of my knowledge, information and bel	10	A I don't recall that.	10	signing the certification?
13	11	Q Do you know what Tremolite is?	11	A I would have provided this information to
14	12	A A mineral.	12	our legal department and reviewed it with our legal
15	13	Q Do you know it is a form of asbestos?	13	department, yes.
16	14	MS. O'CONNOR: Objection to the form.	14	Q So, can you tell me what did you do to
17 Q Okay. I'm going to show you what's been marked 277 and ask you to take a look at this. 277, 18 mile you are looking at it, is a set of 19 form. You can answer. 20 Interrogatories submitted by Johnson and Johnson in the Law Division of Middlesex County in a case 22 called Krushinski versus Johnson and Johnson. Do you see that? 24 A Yes. 25 Q And if you flip to the last page, the last 25 Q So you collected the various documents and 27 years ago. My process would have been to identify 4 A Yes, it is. 5 Q And you signed the certification under 6 penalty of perjury, correct? 10 A Correct. 9 Johnson and Johnson Consumer Companies, correct? 11 Q That you looked at the interrogatory 12 answers that were prepared, correct? 12 answers that were prepared, correct? 13 MS. O'CONNOR: I'm going to object. MR. PLACITELLA: Let me read it and 15 I'll trying to shortcut it. 16 Q "The foregoing Answers to Interrogatories were prepared with the assistance and advice of 20 A That is what it says. 20 Q "The foregoing answers are true and 22 correct the best of my knowledge, information and belief. If any of the foregoing statements made by 24 me are willfully false, I may be subject to 4 A No. That wouldn't have been my role to do that, no. 24 Correct Page 24 Correct Page 25 Correct? 26 Correct Page 26 Correct? 27 Correct? 28 A That is what it says. 29 Correct for foregoing answers are true and 29 Correct to the best of my knowledge, information and belief. If any of the foregoing statements made by 24 me are willfully false, I may be subject to 4 Correct Page 26 Correct Page 27 Correct Page 27 Correct Page 28 Correct Page 29 Correct	15	You can answer.	15	verify that the information contained in these
marked 277 and ask you to take a look at this. 277, while you are looking at it, is a set of the Law Division of Middlesex County in a case called Krushinski versus Johnson and Johnson. Do you see that? A Yes. Q And if you flip to the last page, the last Page 74 page is a certification dated May 23, 2000, correct? A Yes. Q And that's your signature? A Yes. Q And you signed the certification under penalty of perjury, correct? A Yes. Q What you state is that you are employed by Johnson and Johnson Consumer Companies, correct? A Yes. Q What you state is that you are employed by Johnson and Johnson Consumer Companies, correct? A Correct. MR. O'CONNOR: Objection to the form. You can answer. A I relied upon the experts, and as it even says here, that the answers were compiled, are from numerous sources, so, again, I was the point person to accumulate the information from the valid sources. Q So you collected the various documents and Page 74 Page 76 A Yes. A Yes. A Yes. A Yes. A Yes. A Yes. Q And that's your signature? A Yes. Q And you signed the certification under penalty of perjury, correct? A Yes. Q What you state is that you are employed by Johnson and Johnson Consumer Companies, correct? A Correct. A I don't remember exactly. This is 17 years ago. My process would have a conversation with our legal department and then it would be compiled, put together. Q And who were the people that you relied upon to answer these questions, to help you answer these questions? A Again, departments. It would be a lot of manufacturing, a lot of quality assurance, looks like pretty much and then they would have information. MR. O'CONNOR: I'm going to object. A That is what it says. Q "The foregoing Answers to Interrogatories were prepared with the assistance and advice of Operson's name is mentioned here and I know he was quality assurance, Randy Quarter. A long time ago, but I don't remember any names. Q Did you actually take possession and look at documents before you signed this? A No. That wouldn't have been my role to	16		16	Interrogatory answers was true and accurate, as you
19	17	Q Okay. I'm going to show you what's been	17	certified?
Interrogatories submitted by Johnson and Johnson in the Law Division of Middlesex County in a case called Krushinski versus Johnson and Johnson. Do you see that? A Yes. Q And if you flip to the last page, the last Page 74 page is a certification dated May 23, 2000, correct? A Yes. Q And that's your signature? A Yes, it is. Q And that's your signature? A Yes, it is. Q And you signed the certification under penalty of perjury, correct? A Yes. Q What you state is that you are employed by Johnson and Johnson Consumer Companies, correct? A Correct. Q What you looked at the interrogatory answers that were prepared, correct? MR. PLACITELLA: Let me read it and Sill trying to shortcut it. MR. PLACITELLA: Let me read it and JUCCI and I relical." Correct: A That is what it says. Q "The foregoing answers to Interrogatories were prepared with the assistance and advice of Counsel for JUCCI upon whose advice and information and belief. If any of the foregoing statements made by Men are willfully false, I may be subject to A No. That wouldn't physically look at the	18		18	MS. O'CONNOR: Objection to the
the Law Division of Middlesex County in a case called Krushinski versus Johnson and Johnson. Do you see that? A Yes. Q And if you flip to the last page, the last Page 74 page is a certification dated May 23, 2000, correct? A Yes. Q And that's your signature? A Yes, it is. Q And you signed the certification under penalty of perjury, correct? A Yes. Q What you state is that you are employed by Johnson and Johnson Consumer Companies, correct? A Correct. A A Correct. A R. Ladon't remember exactly. This is 17 years ago. My process would have been to identify the appropriate people to answer these and then they would, or maybe the three of us, would have a conversation with our legal department and then it would be compiled, put together. A A Correct. A Correct. A Reani, La don't remember the people that you relied upon to answer these questions, to help you answer these questions? A A gain, departments. It would be a lot of manufacturing, a lot of quality assurance, looks like pretty much and then they would have information. B Counsel for JJCCI upon whose advice and information and belief. If any of the foregoing answers are true and correct to the best of my knowledge, information and belief. If any of the foregoing statements made by me are willfully false, I may be subject to A No. That w	19	while you are looking at it, is a set of	19	form. You can answer.
22 called Krushinski versus Johnson and Johnson. Do you see that? 24 A Yes. 25 Q And if you flip to the last page, the last 26 Page 74 27 Page 74 28 Page 74 29 Page is a certification dated May 23, 2000, correct? 20 A Yes. 21 Page is a Called Krushinski versus Johnson and Johnson Consumer? 22 A Yes. 23 Q And that's your signature? 24 A Yes. 25 Q So you collected the various documents and Page 76 26 Page 76 27 A Yes. 28 Q And that's your signature? 39 Q And you signed the certification under 60 penalty of perjury, correct? 40 A Yes. 41 Q What you state is that you are employed by 9 Johnson and Johnson Consumer Companies, correct? 41 Q That you looked at the interrogatory 21 answers that were prepared, correct? 42 A Yes. 43 Q What you state is that you are employed by 9 Johnson and Johnson Consumer Companies, correct? 44 MS. O'CONNOR: I'm going to object. 45 Q "The foregoing Answers to Interrogatories were prepared with the assistance and advice of 21 counsel for JJCCI upon whose advice and information 19 JJCCI and I relied." Correct? 20 A That is what it says. 21 Q "The foregoing answers are true and 22 correct to the best of my knowledge, information and belief. If any of the foregoing statements made by 24 me are willfully false, I may be subject to 22 animerous sources, 20 accumulate the information for the valid sources. 25 Q So you collected the various documents and sources. 26 A I don't remember exactly. This is 17 27 A Yes. 28 A Yes. 4 I don't remember and in the the work? 4 A Yes. 5 Q And who were the people that you relied upon to answer these questions, to help you answer these questions? 5 A Again, departments. It would be a lot of manufacturing, a lot of quality assurance, looks like pretty much and then they would have information. 29 What people? 4 I don't remember any names. 4 Q Did you actually take possession and look at documents b	20	Interrogatories submitted by Johnson and Johnson in	20	A I relied upon the experts, and as it even
23 see that? 24 A Yes. 25 Q And if you flip to the last page, the last Page 74 1 page is a certification dated May 23, 2000, correct? 2 A Yes. 3 Q And that's your signature? 4 A Yes, it is. 5 Q And you signed the certification under 6 penalty of perjury, correct? 7 A Yes. 8 Q What you state is that you are employed by 9 Johnson and Johnson Consumer Companies, correct? 10 A Correct. 11 Q That you looked at the interrogatory 12 answers that were prepared, correct? 13 MS. O'CONNOR: I'm going to object. 14 MR. PLACITELLA: Let me read it and 15 I'll trying to shortcut it. 16 Q "The foregoing Answers to Interrogatories were prepared with the assistance and advice of counsel for JJCCI and I relied." Correct? 2 A That is what it says. 2 Q What you asture eand correct? A That is what it says. 2 Q "The foregoing answers are true and correct to the best of my knowledge, information and belief. If any of the foregoing statements made by me are willfully false, I may be subject to Page 74 Page 76 Page 76 handed them to the lawyers? How did it work? A I don't remember exactly. This is 17 years ago. My process would have been to identify the appropriate people to answer these and then they would be consured from the valid sources. Q And who were the people that you relied upon to answer these questions, to help you answer these questions. It would be a lot of manufacturing, a lot of quality assurance, looks like pretty much and then they would have information. Q What people? A I don't remember the people I dealt with. One person's name is mentioned here and I know he was quality assurance, Randy Quarter. A long time ago, but I don't remember any names. Q Did you actually take possession and look at documents before you signed this? A No. That wouldn't have been my role to do that, no. Q So if you didn't physically look at the	21	the Law Division of Middlesex County in a case	21	says here, that the answers were compiled, are from
Page 74 1 page is a certification dated May 23, 2000, correct? 2 A Yes. 3 Q And that's your signature? 4 A Yes, it is. 5 Q And you signed the certification under 6 penalty of perjury, correct? 7 A Yes. 8 Q What you state is that you are employed by 9 Johnson and Johnson Consumer Companies, correct? 10 A Correct. 10 A Correct. 11 Q That you looked at the interrogatory 12 answers that were prepared, correct? 13 MS. O'CONNOR: I'm going to object. 14 MR. PLACITELLA: Let me read it and 15 I'll trying to shortcut it. 16 Q "The foregoing Answers to Interrogatories 17 were prepared with the assistance and advice of 18 counsel for JJCCI upon whose advice and information 19 JJCCI and I relied." Correct? 20 A That is what it says. 21 Q "The foregoing answers are true and 22 correct to the best of my knowledge, information and 23 belief. If any of the foregoing statements made by 24 me are willfully false, I may be subject to Page 74 Page 74 Page 76 Page 76 handed them to the lawyers? How did it work? A I don't remember exactly. This is 17 years ago. My process would have been to identify the appropriate people to answer these and then they would, or maybe the three of us, would have occonversation with our legal department and then it would be compiled, put together. 9 Q And who were the people that you relied upon to answer these questions, to help you answer these equestions? A Again, departments. It would be a lot of manufacturing, a lot of quality assurance, looks like pretty much and then they would have information. Q What people? A I don't remember the people I dealt with. One person's name is mentioned here and I know he was quality assurance, Randy Quarter. A long time ago, but I don't remember any names. Q Did you actually take possession and look at documents before you signed this? A No. That wouldn't have been my role to do that, no. Q So if you didn't physically look at the	22	called Krushinski versus Johnson and Johnson. Do you	22	numerous sources, so, again, I was the point person
Page 74 Page 74 Page 76 page is a certification dated May 23, 2000, correct? A Yes. Q And that's your signature? A Yes, it is. Q And you signed the certification under penalty of perjury, correct? A Yes. Q And you state is that you are employed by Johnson and Johnson Consumer Companies, correct? A Correct. Q That you looked at the interrogatory A So CONNOR: I'm going to object. MR. PLACITELLA: Let me read it and I'll trying to shortcut it. Q "The foregoing Answers to Interrogatories were prepared with the assistance and advice of counsel for JJCCI upon whose advice and information JJCCI and I relied." Correct? A That is what it says. Q "The foregoing answers are true and correct to the best of my knowledge, information and belief. If any of the foregoing statements made by me are willfully false, I may be subject to Page 74 Page 76 handed them to the lawyers? How did it work? A I don't remember exactly. This is 17 page 76 handed them to the lawyers? How did it work? A I don't remember exactly. This is 17 years ago. My process would have been to identify the appropriate people to answer these and then they would have a conversation with our legal department and then it would be compiled, put together. Q And who were the people that you relied upon to answer these questions, to help you answer these questions? A Again, departments. It would be a lot of manufacturing, a lot of quality assurance, looks like pretty much and then they would have information. Q What people? A I don't remember the people I dealt with. One person's name is mentioned here and I know he was quality assurance, Randy Quarter. A long time ago, but I don't remember any names. Q Did you actually take possession and look at documents before you signed this? A No. That wouldn't have been my role to do that, no. Q So if you didn't physically look at the	23	see that?	23	to accumulate the information from the valid
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page is a certification dated May 23, 2000, correct? A Yes. Q And that's your signature? A Yes, it is. Q And you signed the certification under penalty of perjury, correct? A Yes. Q What you state is that you are employed by Johnson and Johnson Consumer Companies, correct? A Correct. Q That you looked at the interrogatory answers that were prepared, correct? MR. PLACITELLA: Let me read it and I'll trying to shortcut it. Q "The foregoing Answers to Interrogatories Mere prepared with the assistance and advice of Counsel for JJCCI upon whose advice and information JJCCI and I relied." Correct? A That is what it says. Q "The foregoing answers are true and Correct to the best of my knowledge, information and belief. If any of the foregoing statements made by me are willfully false, I may be subject to I handed them to the lawyers? How did it work? A I don't remember exactly. This is 17 years ago. My process would have been to identify the appropriate people to answer these and then they would, or maybe the three of us, would have a conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then it would be conversation with our legal department and then they would be conversation in a manufacturing, a lot of quality assurance, looks like prett	25	Q And if you flip to the last page, the last	25	Q So you collected the various documents and
2 A Yes. 3 Q And that's your signature? 4 A Yes, it is. 5 Q And you signed the certification under 6 penalty of perjury, correct? 7 A Yes. 8 Q What you state is that you are employed by 9 Johnson and Johnson Consumer Companies, correct? 10 A Correct. 11 Q That you looked at the interrogatory 12 answers that were prepared, correct? 13 MS. O'CONNOR: I'm going to object. 14 MR. PLACITELLA: Let me read it and 15 I'll trying to shortcut it. 16 Q "The foregoing Answers to Interrogatories 17 were prepared with the assistance and advice of 18 counsel for JJCCI upon whose advice and information 19 JJCCI and I relied." Correct? 20 A That is what it says. 21 Q "The foregoing answers are true and 22 correct to the best of my knowledge, information and 23 belief. If any of the foregoing statements made by 24 me are willfully false, I may be subject to 2 A I don't remember exactly. This is 17 years ago. My process would have been to identify the appropriate people to answer these and then they would, or maybe the three of us, would have a conversation with our legal department and then it would be compiled, put together. 4 the appropriate people to answer these and then they would, or maybe the three of us, would have a conversation with our legal department and then it would be compiled, put together. 6 conversation with our legal department and then it would be compiled, put together. 9 d A I don't remember it people that you relied upon to answer these questions, to help you answer. 9 A		Page 74		Page 76
Q And that's your signature? 4 A Yes, it is. 5 Q And you signed the certification under 6 penalty of perjury, correct? 6 conversation with our legal department and then it 7 A Yes. 8 Q What you state is that you are employed by 9 Johnson and Johnson Consumer Companies, correct? 10 A Correct. 11 Q That you looked at the interrogatory 12 answers that were prepared, correct? 13 MS. O'CONNOR: I'm going to object. 14 MR. PLACITELLA: Let me read it and 15 I'll trying to shortcut it. 16 Q "The foregoing Answers to Interrogatories 17 were prepared with the assistance and advice of 18 counsel for JJCCl upon whose advice and information 19 JJCCl and I relied." Correct? 20 A That is what it says. 21 Q "The foregoing answers are true and 22 correct to the best of my knowledge, information and 23 belief. If any of the foregoing statements made by 24 me are willfully false, I may be subject to 3 years ago. My process would have been to identify the appropriate people to answer these and then they would, or maybe the three of us, would have a conversation with our legal department and then it would be compiled, put together. Q And who were the people that you relied upon to answer these questions, to help you answer these questions? A A Again, departments. It would be a lot of manufacturing, a lot of quality assurance, looks like pretty much and then they would have information. Q What people? A I don't remember the people I dealt with. One person's name is mentioned here and I know he was quality assurance, Randy Quarter. A long time ago, but I don't remember any names. Q Did you actually take possession and look at documents before you signed this? A No. That wouldn't have been my role to do that, no. Q So if you didn't physically look at the	1	page is a certification dated May 23, 2000, correct?	1	handed them to the lawyers? How did it work?
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	Page 77		Page 79
1	know they were true, the answers were true?	1	A Yes.
2	MS. O'CONNOR: Objection to the form.	2	Q In 17 you state, "To the best of
3	A This was done with our attorneys, so the	3	defendant's knowledge, talc used in the manufacture
4	whole process done through the advice of the	4	of Johnson and Johnson Baby Powder never
5	attorney, too.	5	contained asbestos in any form or Tremolite.
6	Q But with all due respect, it says this is	6	Defendant's sources of talc were selected for
7	true and accurate to the best of my knowledge, and	7	their lack of contaminants and further
8	my question is what specifically did you do to	8	testing was performed over a significant number of
9	assure yourself that it was true and accurate? You	9	years by outside laboratories, which verified that
10	never looked at a single document	10	defendant's talc sources did not contain asbestos or
11	A No.	11	Tremolite."
12	MS. O'CONNOR: Objection to the form	12	Do you see that?
13	of the question. You can answer.	13	A Yes, I do.
14	A I was relying on the experts.	14	Q What is the basis of that statement?
15	Q The experts that you relied upon, you	15	MS. O'CONNOR: Objection to the form
16	don't remember who they were?	16	of the question. You can answers.
17	A No. Seventeen years ago.	17	A Again, this would be information that was
18	Q I'm just asking a question.	18	obtained from the appropriate department.
19	A No.	19	Q Who gave you that information?
20	Q It says you also relied upon your lawyers.	20	A It would have been either manufacturing or
21	What lawyers?	21	quality assurance.
22	A It would have been, I think at this time,	22	Q But you don't remember?
23	John O'Shaughnessy, but I'm not sure of the time frame	23	A No. Seventeen years ago, no.
24	because I don't remember this.	24	Q It talks about studies and testing done by
25	Q Had you executed certifications similar to	25	outside laboratories indicating that the sources did
	Page 78		Page 80
1	this in other cases?	1	not contain asbestos or Tremolite. Do you see that?
2	A Not that I remember.	2	A Yes.
3	Q I want to go to a couple. I'm not going	3	Q Have you ever seen any of that testing
4	to go through all these questions, but I want to go	4	information?
5	through a few of them.	5	A No.
6	If you could look on page 5. By the	6	Q Down below it says, number 18, "Over a
7	way, do you remember what this case was about?	7	number of years, defendant had an ongoing process of
8	A No.	8	testing its source talc for Johnson and Johnson's
9	Q Do you know what the injury was that was	9	Baby Powder for asbestos, Tremolite or other
10	being claimed?	10	contaminants" Do you see that?
11	A Other than what is here, I have no memory	11	A Yes.
12	of it.	12	Q When you say source talc, you mean the
13	Q What is here?	13	mines, correct?
14	A Something about talcosis.	14	MS. O'CONNOR: Objection to the form
15	Q In 11 you respond referencing medical	15	of the question. You can answer.
16	literature concerning talc and talc companies. Do	16	A To me that means the talc used in
17	you see that?	17	Johnson's Baby Powder.
18	A I see number 11.	18	Q It came from the mines.
19	Q Page 5, you also say that you provided	19	MS. O'CONNOR: Same objection.
20	studies to the plaintiffs. Where did you get those	20	A Originally.
21	studies?	21	Q That's talc sources.
22	MS. O'CONNOR: Objection to the form.	22	A That's the source of the talc. The source
23	A I don't know.	23	talc is the talc that is used in the powder. That
24	Q Can you go to 17 and 18 and I'll blow it	24	is the way I interpret that.
25	up. Are you with me?	25	Q I want to go back to that in a second.

1	Page 81		Page 83
1	It says, "It never had asbestos,	1	contaminants, and further testing was performed over
2	Tremolite or any other contaminant." Correct?	2	a significant number of years by outside
3	A That is correct.	3	laboratories which verified that the defendant's
4	Q And that included heavy metals like	4	talc sources did not contain asbestos or tremolite."
5	arsenic, things like that?	5	It doesn't say baby powder, it says talc sources.
6	A We are talking about other contaminants	6	I'm asking you what did you mean by
7	and specifically asbestos and Tremolite here.	7	talc sources?
8	Q Did you ever have information or were you	8	A Again, that's not my expertise, so I
9	ever provided information indicating that testing	9	didn't choose those words. But the important thing
10	showed that the talc that was used in Johnson's Baby	10	here is that it was tested for years and it did not
11	Powder contained arsenic?	11	contain asbestos.
12	A No.	12	Q I understand, but respectfully, you
13	Q How about nickel?	13	verified these as true and accurate to the best of
14	A No.	14	your knowledge. You must have known what you meant
15	Q How about Cadmium?	15	when you stated it. My question is what did you
16	A No.	16	mean by talc sources?
17	Q How about chromium?	17	MS. O'CONNOR: Objection to the form
18	A No.	18	of the question.
19	Q If that testing existed, is that something	19	A This was information that was given by the
20	you would want to have seen before making the	20	experts in this part of the business, manufacturing
21	representations to consumers and in sworn Answers to	21	and quality assurance.
22	Interrogatories?	22	Q Would the talc source include the mine
23	MS. O'CONNOR: Objection to the form	23	where the tale came from?
24	of the question. You can answer.	24	A I didn't write those words, so I don't
25	A If there were significant amounts, then we	25	know what they meant.
	Page 82		Page 84
1	would address it.	1	Q You have no idea in answering the
2	Q What does that mean, significant amounts?	I	
_	• · · · · · · · · · · · · · · · · · · ·	2	Interrogatories what you meant when you verified
3	A It is, again, one of those things if, if.	3	Interrogatories what you meant when you verified that the talc sources did not have asbestos or
3	A It is, again, one of those things if, if.	3	that the talc sources did not have asbestos or
3 4	A It is, again, one of those things if, if. It is an assumption, so it is hard for me to	3 4	that the talc sources did not have asbestos or tremolite?
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1	MR. GOLDSTEIN: Objection.	1	Interrogatories, were the files from the Selby and
2	MS. O'CONNOR: Objection to the form.	2	Gambino case made available to you?
3	You can answers.	3	A I don't remember.
4	A That is correct, I didn't.	4	Q When you were workingBy the way, do you
5	Q So if we wanted to find out where the	5	recall working any of these two cases?
6	documents were that served as the basis for these	6	A No.
7	sworn responses, how would we find that out? Who	7	Q When you were working on litigation
8	would we talk to?	8	related to baby powder for Johnson and Johnson, what
9	MS. O'CONNOR: Objection on the form	9	is your recollection of where the files were being
10	of the question.	10	stored that related to that litigation?
11	A I would direct you to manufacturing or	11	A Of anything relating to litigation, would
12	quality assurance, whoever is responsible for that	12	have been stored with the legal department.
13	now.	13	Q Do you understand what a litigation hold
14	Q Can you look at number 19. Number 19 asks	14	is?
15	for prior lawsuits and any testimony, witnesses, et	15	A Yes.
16	cetera, from prior lawsuits involving Johnson's Baby	16	Q What is a litigation hold?
17	Powder, and I'm paraphrasing. You can look at it to	17	A My understanding is that once a litigation
18	make sure I'm doing it correctly.	18	has been declared, or served, any information that
19	A Yes, I see that.	19	any department has concerning that particular case,
20	Q Is that accurate?	20	should not should be given to the law department
21	A What this is asking for if there were any	21	and/or held until further information.
22	claims or allegations of talcosis or pulmonary	22	Q So for example, and you are not allowed to
23	fibrosis through exposure to Johnson's Baby Powder.	23	get rid of that, correct?
24	Q Right. If people testified in those	24	A Correct.
25	cases, give us the testimony. Isn't that what it	25	Q You have to save it in perpetuity. Am I
	Page 86		Page 88
1	asks for?	1	correct?
2	A Yes.	2	MS. O'CONNOR: Objection. Calls for
3	Q You list here two cases that were filed in	3	a legal conclusion. You may answer.
4	Middlesex County, one from 1983 and one from one	4	A Untilyou hear further
5	case in Middlesex county in 1983 and another case in	5	Q Is it your understanding that a litigation
6	California in 1993. Do you see that?	6	hold would have then been put on the Gambino case
7	A Yes.	7	back in 1993?
8	Q Where did that information come from?	8	MS. O'CONNOR: Objection. Calls for
9	A The legal department.	9	speculation. Calls for a legal conclusion. You can
10	Q The legal department had possession of	10	answer.
11	these files at the time you answered these	11	A I don't remember.
12	Interrogatories. Is that your understanding?	12	Q I guess here is my question. How do we
13	MS. O'CONNOR: Objection to the form	13	know that the information that was available to you
14	of the question. You can answer.	14	when you were swearing to these Interrogatories in
15	A I don't remember, but that would have been	15	2000 was the same information that was made
16	the process, yes.	16	available in the Gambino case back in 1983? How do
17	Q So when you listed the Selby case and the	17	we know?
18	Gambino case, that information came directly from	18	MS. O'CONNOR: Objection to the form
19	documents that were in the possession of the legal	19	of the question. Vague, ambiguous, calls for
	department, from your understanding, correct?	20	speculation.
20		21	A I don't know. I can't say. I don't know
21	MS. O'CONNOR: Objection to the form		1, 1 1 11 11 1 1 1
21 22	of the question. You can answer.	22	what was given or done. I don't know what the
21 22 23	of the question. You can answer. A That there would have been the process,	23	Gambino case was about.
21 22	of the question. You can answer.		=

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1	A Yes. I don't know.	1	A The talc was tested and it was determined
2	Q Is it your understanding from your	2	that it did not contain any asbestos or Tremolite.
3	understanding of corporate policy, that everything	3	MS. O'CONNOR: Mark that Musco-1.
4	from the Gambino case, for example, would have been	4	(The above document is marked
5	preserved under a litigation hold and available to	5	Musco-1.)
6	you when answering discovery in the crush case?	6	,
7	MS. O'CONNOR: Objection to the form	7	Q Am I correct that you and Johnson and
8	of the question. Vague and ambiguous, calls for a	8	Johnson, when I say you, I mean Johnson and Johnson,
9	legal conclusion.	9	not you personally, knew that the talc used in
10	A If there were a legal hold, I would abide	10	Johnson's Baby Powder could be inhaled by human
11	by the rules of that legal hold.	11	beings?
12	Q I'm not pointing fingers at you. What I'm	12	A Yes. Anything can be inhaled.
13	asking you is, it your understanding that whatever	13	Q You knew that the talc that could be
14	information was available in the Gambino case should	14	inhaled from Johnson's Baby Powder would reach or
15	have been available you to in the Krushinski case?	15	could reach deep into the lung. You knew that,
16	MS. O'CONNOR: Objection. Vague and	16	correct?
17	ambiguous, calls for speculation, calls for a legal	17	MS. O'CONNOR: Objection to the form.
18	conclusion. You may answer.	18	You can answer it.
19	A I really don't know because other than the	19	A Yes.
20	fact they may be the same product, I don't know what	20	Q You knew that the talc, once inhaled, the
21	the case was about, sorry to say.	21	baby powder once inhaled, could travel all the way
22	Q We would have to ask legal to look at the	22	to a woman's ovary, correct?
23	files inside of legal. Is that fair, too?	23	MS. O'CONNOR: Objection to the form
24	MS. O'CONNOR: Objection to the form.	24	of the question. Vague, ambiguous. You can answer
25	Calls for speculation.	25	it.
	Page 90		Page 92
1		1	
1 2	A They would have the files, yes.	1 2	A No, I didn't know that.
2	A They would have the files, yes. Q I'm looking at the interrogatories that	2	A No, I didn't know that.A But you knew that there was a serious
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	Page 93		Page 95
1	truth or any scientific evidence to these	1	development, regulatory, legal. That's as much as I
2	allegations, and the best way for us to address	2	can remember.
3	them.	3	Q One of the things you were worried about
4	Q And discussed was in a serious way,	4	was whether the National Toxicology Program was
5	whether a study should actually be conducted by	5	going to declare that talc was a carcinogen,
6	Johnson and Johnson to prove or disprove whether	6	correct?
7	talc inhaled would reach all the way to a woman's	7	A Yes. Just like I said before, we take all
8	ovary, correct?	8	that very seriously.
9	MS. O'CONNOR: Objection to the form	9	Q And it is in that context that it was
10	of the question. Vague, ambiguous, compound. You	10	suggested within Johnson and Johnson that we might
11	can answer.	11	as well just find out, does inhaled talc reach all
12	A I don't remember. I don't know.	12	the way to a woman's ovary, right?
13	Q And in fact, you were part of those	13	MS. O'CONNOR: Objection to the form.
14	discussions, weren't you?	14	Vague, ambiguous, calls for speculation.
15	A I was part of the team that would look at	15	A Those are your words. I don't recall
16	the allegations.	16	that.
17	Q When it was suggested that a study be done	17	Q I'm going to show you what's been marked
18	to determine whether inhaled talc could reach all	18	262. 262, the Bates number is 576314. We are going
19	the way to a woman's ovary, that was rejected	19	to go to the screen now.
20	because it wouldn't be good for Johnson and Johnson	20	The top email is dated May 7, 2001,
21	to find out the truth, correct?	21	and is from John Hopkins to a whole bunch of people,
22	MS. O'CONNOR: Objection to the form	22	including yourself, correct?
23	of the question. Argumentative, vague, ambiguous.	23	A Yes.
24	You may answer.	24	Q One of the people who gets it is Helen
25	A As I said earlier, I don't remember the	25	Han Hsu. What was her job?
	Page 94		D 06
	raue 34		Page 96 I
1		1	Page 96
1 2	specific studies that may have been tested or	1 2	A Toxicology.
2	specific studies that may have been tested or discussed. But the important thing is we did take	2	A Toxicology. Q And this was from John Hopkins. What was
2 3	specific studies that may have been tested or discussed. But the important thing is we did take it seriously, and if there was any solid, scientific	2	A Toxicology. Q And this was from John Hopkins. What was his job?
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	Page 97		Page 99
1	Q Within your division, correct?	1	A Yes.
2	A Correct.	2	Q Helen, it is raised as part of the
3	Q Owen Rankin we talked about.	3	discussion, whether you are going to share with the
4	Fritz Grutzner, who was that?	4	federal government the information you have
5	A Vice-President of the baby company, Baby	5	concerning Oral lavage data and the response when
6	Products Company.	6	someone is exposed to Johnson's Baby Powder,
7	Q Vice-President of the whole company?	7	
8			correct?
9	A Of the Baby Division.	8	MS. O'CONNOR: Objection to the form
	Q Then you have the corporate lawyer, John	9	of the question. You can answer.
10	O'Shaughnessy?	10	A I have to read this.
11	A Correct.	11	Q Sure. Take your time.
12	Q Then you have Clayton Paterson. Who was	12	A What is the question?
13	that?	13	Q It talks about exchanges or information
14	A Regulatory attorney.	14	being provided by Johnson and Johnson to the
15	Q So he is a lawyer for regulations?	15	National Toxicology Program, correct?
16	A Yes.	16	A Yes.
17	Q Then you have Kathleen Dittman. Who is	17	Q And Helen writes, "For your information,
18	she?	18	although I did receive the 4-29 meeting minutes
19	A She was a global marketing person.	19	recommending the inclusion of the oral lavage data
20	Q Do you have Sarah Colamarino. Who was	20	data and the response, I elect not to do so for the
21	she?	21	reasons below." Are you with me?
22	A Communications.	22	A I see that, yes.
23	Q Michael Chudkowski you talked about before?	23	Q It says one. "I don't know what the oral
24	A Yes.	24	data would add to the argument we put forth in the
25	Q Marjorie McTernan?	25	document. NTP, that's at the National Toxicology
	Page 98		Page 100
1	A Regulatory.	1	Program, right?
_			
2	Q A lawyer?	2	A Correct.
3	Q A lawyer? A No.	2 3	A Correct.Q "Has not made any connections with oral
	•		
3	A No.	3	Q "Has not made any connections with oral ingestion of tale. Why would we want to draw to their attention." Do you see that?
3 4	A No. Q Robert Armstrong, he was a doctor?	3 4	Q "Has not made any connections with oral ingestion of talc. Why would we want to draw to
3 4 5	A No.Q Robert Armstrong, he was a doctor?A Yes.	3 4 5	Q "Has not made any connections with oral ingestion of tale. Why would we want to draw to their attention." Do you see that?
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3 4 5 6 7	A No.Q Robert Armstrong, he was a doctor?A Yes.Q In your division?A Yes.	3 4 5 6 7	Q "Has not made any connections with oral ingestion of talc. Why would we want to draw to their attention." Do you see that? A Yes. Q "Two, the purpose of doing an oral study
3 4 5 6 7 8	 A No. Q Robert Armstrong, he was a doctor? A Yes. Q In your division? A Yes. Q And Michael Connors, who was he? 	3 4 5 6 7 8	Q "Has not made any connections with oral ingestion of talc. Why would we want to draw to their attention." Do you see that? A Yes. Q "Two, the purpose of doing an oral study with labeled talc is to understand the kinetics of
3 4 5 6 7 8	 A No. Q Robert Armstrong, he was a doctor? A Yes. Q In your division? A Yes. Q And Michael Connors, who was he? A Marketing. 	3 4 5 6 7 8	Q "Has not made any connections with oral ingestion of talc. Why would we want to draw to their attention." Do you see that? A Yes. Q "Two, the purpose of doing an oral study with labeled talc is to understand the kinetics of talc after oral ingestion. The data would be more important when considering the role talc plays as an
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3 4 5 6 7 8 9 10 11 12	A No. Q Robert Armstrong, he was a doctor? A Yes. Q In your division? A Yes. Q And Michael Connors, who was he? A Marketing. Q Then you have Neal Matheson. Who is he? A The head of the R and D. Q So getting this email from Hopkins is the	3 4 5 6 7 8 9 10 11	Q "Has not made any connections with oral ingestion of talc. Why would we want to draw to their attention." Do you see that? A Yes. Q "Two, the purpose of doing an oral study with labeled talc is to understand the kinetics of talc after oral ingestion. The data would be more important when considering the role talc plays as an excipient." A That's what it says.
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3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A No. Q Robert Armstrong, he was a doctor? A Yes. Q In your division? A Yes. Q And Michael Connors, who was he? A Marketing. Q Then you have Neal Matheson. Who is he? A The head of the R and D. Q So getting this email from Hopkins is the Vice-President, the head of R and D, the head lawyer, people from regulatory, the head of marketing, all interested in this issue, correct? MS. O'CONNOR: Objection to the form of the question. You can answer. A Yes. Q If we go down a little further, this starts with an email from Helen, correct? Actually it starts with an email from Lorena Telofski, correct?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q "Has not made any connections with oral ingestion of talc. Why would we want to draw to their attention." Do you see that? A Yes. Q "Two, the purpose of doing an oral study with labeled talc is to understand the kinetics of talc after oral ingestion. The data would be more important when considering the role talc plays as an excipient." A That's what it says. Q And then you asked for comments. She asked for comments, not you. A She asked. Q It is not your role to comment at this point. That fair? A That's fair. Q You are just there to figure out what to tell people once the decisions are made? MS. O'CONNOR: Objection to the form of the question.

	Page 101		Page 103
1	Hopkins, right?	1	Q Do you have any information that the
2	A That is what looks like, yes.	2	information that Johnson and Johnson had in its
3	Q What I'm trying to understand is to start,	3	possession concerning the ability of talc to reach
4	why is Johnson and Johnson relying upon an outside	4	the ovary discussed in the emails was ever
5	consultants for some issue as important as this? Do	5	communicated to the federal government?
6	you know?	6	MS. O'CONNOR: Objection to the form
7	MS. O'CONNOR: Objection. Called for	7	of the question. You may answer.
8	· · · · · · · · · · · · · · · · · · ·	8	A I don't know that.
	speculation. You can answer.	9	
9	A No, I don't know.		THE VIDEOGRAPHER: The time is now
10	Q Hopkins writes, "I would agree with	10	12:44 p.m. We are going off the record.
11	Helen." What is her position again?	11	(Luncheon recess taken)
12	A Toxicology.	12	
13	Q He is a toxicologist. "That including the	13	
14	results of an old oral study, may create issues that	14	THE VIDEOGRAPHER: The time is 1:34 and we
15	do not yet exist." Correct?	15	are back on the video record.
16	A That's what it says.	16	
17	Q So he is saying, let's not give that to the	17	BY MR. PLACITELLA:
18	federal government, right?	18	
19	MS. O'CONNOR: Objection to the	19	Q I'm going to spend a few minutes,
20	characterization.	20	hopefully not too long, asking about specific
21	A That is your interpretation.	21	information and whether it was shared with you.
22	Q Well, is there was any other why to	22	J & J-8 is an April 15, 1969,
23	interpret it?	23	J and J memo to William Ashton. Do you know who
24	MS. O'CONNOR: Objection.	24	William Ashton is?
25	A I didn't write it.	25	A I knew of him, yes.
	Page 102		- 101
	rage 102		Page 104
1		1	Page 104
1 2	Q But you were there. Do you know what the	1	Q Did you ever meet him?
2	Q But you were there. Do you know what the intent was?	2	Q Did you ever meet him? A I met him once.
2 3	Q But you were there. Do you know what the intent was? A No.	2	Q Did you ever meet him?A I met him once.Q The memo is from Dr. Thompson. Do you
2 3 4	Q But you were there. Do you know what the intent was? A No. Q It says, "As far as doing a new oral study	2 3 4	Q Did you ever meet him? A I met him once. Q The memo is from Dr. Thompson. Do you know who he was?
2 3 4 5	Q But you were there. Do you know what the intent was? A No. Q It says, "As far as doing a new oral study with radio label." Do you know what radio label	2 3 4 5	Q Did you ever meet him? A I met him once. Q The memo is from Dr. Thompson. Do you know who he was? A No.
2 3 4 5 6	Q But you were there. Do you know what the intent was? A No. Q It says, "As far as doing a new oral study with radio label." Do you know what radio label means?	2 3 4 5 6	Q Did you ever meet him? A I met him once. Q The memo is from Dr. Thompson. Do you know who he was? A No. Q Did you know he was at one point the
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2 3 4 5 6 7 8	Q But you were there. Do you know what the intent was? A No. Q It says, "As far as doing a new oral study with radio label." Do you know what radio label means? A No. Q "This is not really good value for money	2 3 4 5 6 7 8	Q Did you ever meet him? A I met him once. Q The memo is from Dr. Thompson. Do you know who he was? A No. Q Did you know he was at one point the medical director at Johnson and Johnson? A The name is not familiar to me.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q But you were there. Do you know what the intent was? A No. Q It says, "As far as doing a new oral study with radio label." Do you know what radio label means? A No. Q "This is not really good value for money since, although it may show that orally ingested talc can find its way to the ovary, it can raise problems that we don't have answers to." That is what is written to the Vice-President of the company, the head of toxicology and the head lawyer about what information should be provided to the federal government concerning whether talc can reach a woman's ovary, correct? MS. O'CONNOR: Objection to the form of the question. Compound, vague. A That's what it said, what you just read. Q Am I correct that study was never done? A I don't know that. Q Well, do you have any information that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q Did you ever meet him? A I met him once. Q The memo is from Dr. Thompson. Do you know who he was? A No. Q Did you know he was at one point the medical director at Johnson and Johnson? A The name is not familiar to me. Q The memo starts out that, "Over the years, I have reviewed literature of the hazards related to the inhalation of talc particles on several different occasions. In your memorandum you indicate Tremolite does have needle type crystals and that our position has been that these can penetrate the skin and cause irritation." Do you see that? A Yes, I see there. Q Then it goes on In the middle, next paragraph it says, "There are reports in the literature concerning talcosis, which, as you know, is a form of pneumocomiosis attributed to the talc." Then if you go down a couple more sentences, "Furthermore, we have occasionally

	Page 105	100	Page 107
1	expressing concern over the possibility of the	1	you to when you were answering Interrogatories on
2	adverse effects of the lungs of babies or mothers	2	behalf of Johnson and Johnson?
3	who might inhale any substantial amounts of our talc	3	A I have never seen anything in this memo
4	formulations."	4	before.
5	Were you aware in as far back as 1969	5	Q Was this document made available you to to
6	the doctors within Johnson and Johnson were	6	produce for the plaintiffs in the case that you were
7	discussing risks to babies who might inhale talc	7	certifying answers to Interrogatories?
8	from your products?	8	MS. O'CONNOR: Objection to the form.
9	MS. O'CONNOR: Objection to the form	9	Mischaracterizes her testimony, calls for a legal
10	of the question. You can answer.	10	conclusion. You may answer.
11	A I was not aware of anything written here.	11	A I don't remember seeing this.
12	Q It goes down a little further and says,	12	Q 399 is a document that was produced from
13	"Obviously, if we do include tremolite, in more than	13	the files of Johnson and Johnson. It is entitled
14	unavoidable trace amounts, this sort of negation of	14	Pulmonary Talcosis as a Result of Massive Aspiration
15	such inquires could no longer pertain." Do you see	15	of Baby Powder. Do you see that?
			· · · · · · · · · · · · · · · · · · ·
16	that?	16 17	A I see the title, yes.
17	A Yes.		Q Have you ever seen this document before?
18	Q When you answered the Interrogatories	18	A No.
19	saying that there was no evidence of Tremolite, were	19	Q You see that it is from a study from
20	you aware of this information?	20	May 1977 and in the published medical literature?
21	MS. O'CONNOR: Objection to the form	21	A I see that date, yes.
22	of the question. You may answer.	22	Q If you go to the next page under
23	A This is the first I've seen this.	23	discussion, it says, "The major ingredients in most
24	Q We will go to the next page, please.	24	brands of baby powder is talc and we believe our
25	Dr. Thompson further states, "Since	25	patient had talc pneumoconiosis. This disease is
	Page 106		Page 108
1	pulmonary disease, including inflammatory	1	encountered as an occupational hazard in mining." Do
2	fibroplastic and neoplastic types, appear to be on	2	you see that?
3	the increase, it would seem to be prudent to limit	3	MS. O'CONNOR: Objection to the form.
4	any possible content of Tremolite in our powder	4	MR. PLACITELLA: Maybe I read it
5	formulations to an absolute minimum." Do you see	5	wrong.
6	that?	6	Q "As an occupational hazard in the mining
7	A Yes.	7	and processing of talc as well as in numerous
8	Q Were you ever told there was Tremolite in	8	industries in which talc is used." Do you see that?
9	the baby powder formulation?	9	A I see that, yes.
10	A Not to my knowledge.	10	Q And then if you go to the last page, it
11		11	talks about a case of talc pneumoconiosis being
	· · · · · · · · · · · · · · · · · · ·	12	1
12	conceivable that a similar situation might eventually		reported by Nam and Gracey in 1972. Do you see
13	arise if it became known that our tale formulations	13	that?
14	contained any significant amount of Tremolite. Since	14	A I see that, yes.
15	the usage of this product is so widespread and the	15	Q "The patient had developed extensive
16	existence of pulmonary disease is increasing, it is	16	talcosis as a result of liberal use of cosmetic
17	not inconceivable that we could become involved in	17	talcum powder over a period of 20 years." Correct?
18	litigation in which pulmonary fibrosis and other	18	MS O'CONNOR: Objection. You are
19	lung changes might be, rightfully or wrongfully,	19	reading only parts of it.
20	attributed to the inhalation of our powder	20	Q I'll read the whole thing. "One of the
21	formulations. It might be that someone in the law	21	most bizarre cases of talc pneumoconiosis was
22	department should be consulted with regard to the	22	reported by the Nam and Gracey in 1972. Although
23	defensibility of our position in the event such a	23	death was from an unrelated disease, the patient had
24	situation could ever arise."	24	developed extensive talcosis as a result of liberal
0.5	*** 4	1 0-	
25	Was this information ever made known	25	use of cosmetic talcum powder over a period of

	Page 109		Page 111
1	twenty years." Do you see that?	1	preceding this or after this.
2	A I see it says that, yes.	2	Q I was asking what was communicated to you
3	Q Now, when you were telling patients, or	3	were you ever told that it was being discussed
4	consumers, that Johnson and Johnson wasn't aware of	4	within Johnson and Johnson that it was dangerous for
5	any injury resulting from the use of cosmetic talcum	5	babies to be around baby powder because of the
6	powder, were you ever made aware of this article?	6	danger of inhalation?
7	MS. O'CONNOR: Objection to the form	7	A No, because I don't believe it is
8	of the question.	8	dangerous to be around when it is used properly.
9	A This is the first I've seen this article,	9	Q We will get to that.
10	yes.	10	If you go a little bit further down,
11	Q Now, do you still have 408?	11	there's a page entitled Insights and Implications.
12	A Right.	12	Do you see that? A few pages down.
13	Q There's a section of the Power Point	13	A Okay.
14	entitled Disadvantages of Using Powder and Ways of	14	Q It says, "Insights. Powder is messy to
15	Copying. I put it up on the screen. Do you see	15	use. Let's out a cloud of dust when you put the
16	that?	16	bottle down. Goes everywhere. Can't aim it where
17	A I see it on the screen. I didn't get to	17	you when you want it. Difficult to control the
18	it yet. All right.	18	amount that comes out." Did I read that correctly?
19	Q It says Disadvantages of Using Powder.	19	A That is what is written there.
20	One, dangers of powder inhalation. Two, mess,	20	Q It says, "Spills when bottle is knocked
21	residue on floor, bathmat, dresser. Do you see	21	over." Correct?
22	that?	22	A That's what it says here, yes.
23	A Yes, I see it.	23	Q There was a point in time when you were
24	Q So at the time that you were interacting	24	actually brought into the discussion at Johnson and
25	with consumes and the media, did the people at	25	Johnson concerning what the risks of inhalation were
	Page 110		Page 112
1	Johnson and Johnson tell you that they had	1	from using baby powder, correct?
2	determined that were one of the disadvantages of	2	A I don't know what you are referring to,
3	using Johnson's Baby Powder was the dangers of	3	brought into the discussion.
4	inhalation?	4	Q Did you ever have conversations with the
5	MS. O'CONNOR: Objection to the form	5	doctors and the scientists at Johnson and Johnson
6	of the question. You may play answer it.	6	concerning what the risks were to babies who inhaled
7	A I don't know that's what this is saying.	7	Johnson's Baby Powder?
8	I don't know the purpose of this document.		•
		8	A We had many conversations about the
9	Q The title of the document is Baby Powder	9	product. As I told you we took any allegations very
	Q The title of the document is Baby Powder Usage and Observation Study. October, November	9 10	product. As I told you we took any allegations very seriously or any concerns anybody raised. There
9	Q The title of the document is Baby Powder Usage and Observation Study. October, November 2001. Correct?	9 10 11	product. As I told you we took any allegations very seriously or any concerns anybody raised. There were many discussions because of that.
9 10 11 12	Q The title of the document is Baby Powder Usage and Observation Study. October, November 2001. Correct? A Yes.	9 10 11 12	product. As I told you we took any allegations very seriously or any concerns anybody raised. There were many discussions because of that. Q Including the poisoning of babies?
9 10 11	Q The title of the document is Baby Powder Usage and Observation Study. October, November 2001. Correct? A Yes. Q That's when you were interacting with	9 10 11 12 13	product. As I told you we took any allegations very seriously or any concerns anybody raised. There were many discussions because of that. Q Including the poisoning of babies? MS. O'CONNOR: Objection to the form
9 10 11 12	Q The title of the document is Baby Powder Usage and Observation Study. October, November 2001. Correct? A Yes. Q That's when you were interacting with consumers and the media about Johnson's Baby Powder,	9 10 11 12 13 14	product. As I told you we took any allegations very seriously or any concerns anybody raised. There were many discussions because of that. Q Including the poisoning of babies? MS. O'CONNOR: Objection to the form of the question.
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9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q The title of the document is Baby Powder Usage and Observation Study. October, November 2001. Correct? A Yes. Q That's when you were interacting with consumers and the media about Johnson's Baby Powder, correct? A That's correct. Q My question to you is were you aware that it was being discussed at that point in time inside of Johnson and Johnson that there was a danger to using baby powder because of inhalation? MS. O'CONNOR: Objection to the form of the question. Vague, ambiguous. A Again, I don't know the source of this	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	product. As I told you we took any allegations very seriously or any concerns anybody raised. There were many discussions because of that. Q Including the poisoning of babies? MS. O'CONNOR: Objection to the form of the question. A We did not poison babies. Q Did you discuss with the doctors at Johnson and Johnson that the inhalation of Johnson Baby Powder would go deep into the lungs of babies and other human beings? MS. O'CONNOR: Objection to the form of the question. You can answer. A No, we didn't have discussions that it would go deep into the lungs, no.

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1	your file.	1	Q Then right below it it says, "In theory,
2	I'm referring to, if you look at the	2	some particles could, and then there's crossed out,
3	second page by the way, you got this document.	3	find their way, go lower in the pulmonary
4	It says you got it. Up here, front page, Nancy Musco,	4	system and attach to the lower bronchial tree or
5	confidential.	5	even reach the alveolus." Correct?
6	A It is from me on the top part.	6	MS. O'CONNOR: Objection to the form
7	Q There's a string of emails below?	7	of the question. You can answer.
8	A I assume I got it.	8	A That is what it says here. I don't know
9	Q If you go to the second page there's an	9	who wrote this or where it is came from.
10	email from Dr. Chase, who worked in your department.	10	Q Talking about that's deep in the lung,
11	The subject is Q and A, regarding baby powder.	11	isn't it?
12	Importance, high, sensitivity, confidential. Do you	12	MS. O'CONNOR: Objection to the form.
13	see that?	13	Q It doesn't get any deeper than that.
14	A I see that, yes.	14	MS. O'CONNOR: Same objection.
15	Q It talks about questions being posed to	15	A As I said, I've never seen this before and
16	the doctor. Do you see that?	16	I don't know who wrote it.
17	MS. O'CONNOR: Objection to the form	17	Q It was attached to the email you got.
18	of the question.	18	MS. O'CONNOR: Objection to the form.
19	A He has questions.	19	You can answer.
20	Q Right. What is referenced is a file	20	A If you look, I'm the last one on this
21	called, "What are the risks of inhalation?" Do you	21	email chain and the I was not copied on the latter
22	see that?	22	part of it.
23	A I see that, yes.	23	Q They have kept this from you?
24	Q 394 is the next in the collective Bates	24	MS. O'CONNOR: Objection to the form.
25	numbers, and the title is: What are the Risks of	25	A No, I don't know that I got it. Maybe I
	Page 114		Page 116
1	Inhalation." Do you see that?	1	did, but I don't remember.
2	A Yes.	2	Q Did they ever communicate to you that the
3	Q Do you recall this discussion, now looking	3	doctors within Johnson and Johnson were writing
4	at this document?	4	papers indicating that people would inhale
5	A No, I don't.	5	baby powder and under normal use and theory, some of
6	Q Do you see where it talks about the risks	6	that powder would reach the lower bronchial tree and
7	of inhalation related to the amount of baby powder	7	even the alveolus of the lung?
8	inhaled?	8	MS. O'CONNOR: Objection to the form.
9	MS. O'CONNOR: Objection to the form	9	Compound, vague, ambiguous. You may answer.
10	of the question.	10	A I don't know who wrote this.
11	A I see what it says here.	11	Q It also talks about, "Two other ways that
12	Q It says, "The first method of inhalation	12	the Johnson's Baby Powder could be inhaled,
13	is that which occurs naturally as with the	13	including a method of inhalation which would entail
14	administration of any powder. Upon the	14	a small amount of talcum being expressed directly
15	administration of a minute amount of the powder will	15	from the container into proximity of the know or
16	be aerosolized and may be inhaled." Do you see	16	mouth, or potentially larger amount being expressed
17	that?	17	intentionally or unintentionally and having a child
18	A That's what it says, yes.	18	play with the powder." Do you see that?
	Q In your interface with consumers, the	19	A That is what is says here.
19			
19 20	media, the federal government, did you ever	20	Q It talks about, "That creating a deep
20 21	media, the federal government, did you ever communicate that you knew that the baby powder would	21	inspiration and an inflammatory response that could
20 21 22	media, the federal government, did you ever communicate that you knew that the baby powder would be aerosolized during normal usage and inhaling?	21 22	inspiration and an inflammatory response that could theoretically lead to gas exchange issues at the
20 21 22 23	media, the federal government, did you ever communicate that you knew that the baby powder would be aerosolized during normal usage and inhaling? MS. O'CONNOR: Objection to the	21	inspiration and an inflammatory response that could theoretically lead to gas exchange issues at the level of the alveolus." Correct?
20 21 22 23 24	media, the federal government, did you ever communicate that you knew that the baby powder would be aerosolized during normal usage and inhaling? MS. O'CONNOR: Objection to the characterize of the testimony. Vague and ambiguous.	21 22 23 24	inspiration and an inflammatory response that could theoretically lead to gas exchange issues at the level of the alveolus." Correct? A No. It talks about it leading to coughing
20 21 22 23	media, the federal government, did you ever communicate that you knew that the baby powder would be aerosolized during normal usage and inhaling? MS. O'CONNOR: Objection to the	21 22 23	inspiration and an inflammatory response that could theoretically lead to gas exchange issues at the level of the alveolus." Correct?

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1	Q It says, "Deep inspiration of a small	1	MS. O'CONNOR: Objection.
2	amount of talcum, as with any powder, would lead to	2	A I didn't say this. I can't guess what
3	coughing or sneezing, both natural measures against	3	David Chase meant.
4	foreign bodies entering the respiratory tract. A	4	Q It goes only to say, "Should it include
5	minute amount could be breathed more deeply is	5	emperical information on levels of exposure, on
6	unlikely to have a deleterious effect, however,	6	levels of exposure, know to be likely from the
7	although theoretically, with cross outs,	7	normal use of the product, according to
8	inflammatory responses could theoretically lead to	8	instructions, and on the magnitude of those levels,
9	gas exchange issues at the level of the alveolus."	9	compared to amounts of exposure needed to induce
10	Do you see that?	10	cancer or any other adverse effects in animal
11	MS. O'CONNOR: Objection to the form	11	studies." Do you see that?
12	of the question.	12	A Yes.
13	A I see that it says that here, yes.	13	Q "I understand that such information is
14	Q Was this information ever shared with you?	14	available and has been made available in previous
15	A This is the first I've ever seen this	15	talc PR cases."
16	paper.	16	What is he talking about when he
17	Q It goes on to say there's a third way	17	says, "Previous talc PR cases?"
18	inhalation occur. It says, "More severe inhalation	18	A I don't know.
19	of large amounts of powder is the third process. As	19	A Was it ever communicated to you that
20	it relates to this product, this would entail	20	Johnson and Johnson had emperical information on
21	removal of the top of the container and multiple	21	just how much exposure would occur from its normal
22	grams of material entering the nose and/or mouth."	22	use of Johnson's Baby Powder?
23	Do you see that?	23	MS O'CONNOR: Objection to the form.
24	A Yes. That is what it says.	24	You can answer.
25	Q Was this information ever shared with you?	25	A I don't know what David Chase is referring
20	was this information ever shared with you.		71 I don't know what David Chase is referring
	Page 118		Page 120
1	A This is the first I've seen this paper.	1	to here.
2	Q Go back to 393, please, which attaches the	2	
		4	Q Did they ever discuss with you this issue
3	paper, "What are the Risks of Inhalation."	3	Q Did they ever discuss with you this issue of the magnitude of levels needed to induce cancer?
3 4		l	
	paper, "What are the Risks of Inhalation."	3	of the magnitude of levels needed to induce cancer?
4	paper, "What are the Risks of Inhalation." Now, this is from David Chase, a	3 4	of the magnitude of levels needed to induce cancer? Was that ever communicated to you?
4 5	paper, "What are the Risks of Inhalation." Now, this is from David Chase, a doctor, correct?	3 4 5	of the magnitude of levels needed to induce cancer? Was that ever communicated to you? A The specifics of the tests were not
4 5 6	paper, "What are the Risks of Inhalation." Now, this is from David Chase, a doctor, correct? A He is the PhD.	3 4 5 6	of the magnitude of levels needed to induce cancer? Was that ever communicated to you? A The specifics of the tests were not communicated here. This is a scientist who was
4 5 6 7	paper, "What are the Risks of Inhalation." Now, this is from David Chase, a doctor, correct? A He is the PhD. Q A PhD?	3 4 5 6 7	of the magnitude of levels needed to induce cancer? Was that ever communicated to you? A The specifics of the tests were not communicated here. This is a scientist who was asking for specific information, and I don't know
4 5 6 7 8	paper, "What are the Risks of Inhalation." Now, this is from David Chase, a doctor, correct? A He is the PhD. Q A PhD? A Yes.	3 4 5 6 7 8	of the magnitude of levels needed to induce cancer? Was that ever communicated to you? A The specifics of the tests were not communicated here. This is a scientist who was asking for specific information, and I don't know what he is referring to.
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4 5 6 7 8 9	paper, "What are the Risks of Inhalation." Now, this is from David Chase, a doctor, correct? A He is the PhD. Q A PhD? A Yes. Q What he says after reviewing the paper is, "This strikes me as being a fairly complete	3 4 5 6 7 8 9	of the magnitude of levels needed to induce cancer? Was that ever communicated to you? A The specifics of the tests were not communicated here. This is a scientist who was asking for specific information, and I don't know what he is referring to. Q Let me ask you this. You were in charge of interacting with the public, with consumers, with
4 5 6 7 8 9 10	paper, "What are the Risks of Inhalation." Now, this is from David Chase, a doctor, correct? A He is the PhD. Q A PhD? A Yes. Q What he says after reviewing the paper is, "This strikes me as being a fairly complete analysis. I took the liberty of making a few	3 4 5 6 7 8 9 10	of the magnitude of levels needed to induce cancer? Was that ever communicated to you? A The specifics of the tests were not communicated here. This is a scientist who was asking for specific information, and I don't know what he is referring to. Q Let me ask you this. You were in charge of interacting with the public, with consumers, with the media. Did this Q and A, or did this paper ever
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4 5 6 7 8 9 10 11 12 13 14	paper, "What are the Risks of Inhalation." Now, this is from David Chase, a doctor, correct? A He is the PhD. Q A PhD? A Yes. Q What he says after reviewing the paper is, "This strikes me as being a fairly complete analysis. I took the liberty of making a few suggestions concerning wording. I also have a few larger questions. Will this document be reviewed by legal, for example, John O'Shaughnessy, who has had a great deal of experience with talc issues over the	3 4 5 6 7 8 9 10 11 12 13 14 15	of the magnitude of levels needed to induce cancer? Was that ever communicated to you? A The specifics of the tests were not communicated here. This is a scientist who was asking for specific information, and I don't know what he is referring to. Q Let me ask you this. You were in charge of interacting with the public, with consumers, with the media. Did this Q and A, or did this paper ever see the light of day? Did you ever see it? MS. O'CONNOR: Objection to the form of the question. Vague, ambiguous, compound. You can answer.
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4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	paper, "What are the Risks of Inhalation." Now, this is from David Chase, a doctor, correct? A He is the PhD. Q A PhD? A Yes. Q What he says after reviewing the paper is, "This strikes me as being a fairly complete analysis. I took the liberty of making a few suggestions concerning wording. I also have a few larger questions. Will this document be reviewed by legal, for example, John O'Shaughnessy, who has had a great deal of experience with talc issues over the years." Then he says, "Will it be reviewed by external advisers with experience in talc issues." What is PR advisers, do you know?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	of the magnitude of levels needed to induce cancer? Was that ever communicated to you? A The specifics of the tests were not communicated here. This is a scientist who was asking for specific information, and I don't know what he is referring to. Q Let me ask you this. You were in charge of interacting with the public, with consumers, with the media. Did this Q and A, or did this paper ever see the light of day? Did you ever see it? MS. O'CONNOR: Objection to the form of the question. Vague, ambiguous, compound. You can answer. A I don't remember the specific paper, no. Q Was there any information like this ever provided to consumers, patients, doctors, anybody to your knowledge? MS. O'CONNOR: Objection. Compound,
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4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	paper, "What are the Risks of Inhalation." Now, this is from David Chase, a doctor, correct? A He is the PhD. Q A PhD? A Yes. Q What he says after reviewing the paper is, "This strikes me as being a fairly complete analysis. I took the liberty of making a few suggestions concerning wording. I also have a few larger questions. Will this document be reviewed by legal, for example, John O'Shaughnessy, who has had a great deal of experience with talc issues over the years." Then he says, "Will it be reviewed by external advisers with experience in talc issues." What is PR advisers, do you know? A Stands for public relations. Q So you had external public relation advisers to determine what information you can provide to the public?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	of the magnitude of levels needed to induce cancer? Was that ever communicated to you? A The specifics of the tests were not communicated here. This is a scientist who was asking for specific information, and I don't know what he is referring to. Q Let me ask you this. You were in charge of interacting with the public, with consumers, with the media. Did this Q and A, or did this paper ever see the light of day? Did you ever see it? MS. O'CONNOR: Objection to the form of the question. Vague, ambiguous, compound. You can answer. A I don't remember the specific paper, no. Q Was there any information like this ever provided to consumers, patients, doctors, anybody to your knowledge? MS. O'CONNOR: Objection. Compound, vague and ambiguous. You can answer it. A What do you mean, information like this? Q The information that's contained in this

	Page 121		Page 123
1	doctor, media outlet or consumer?	1	asked you specifically, it is a simple yes or no
2	MS. O'CONNOR: Same Objection.	2	answer. Did you provide the information to any
3	A Information was provided telling the	3	doctor, to any consumer, to any media outlet that is
4	consumers the best way to use the product and that	4	contained in the document we went over called What
5	the product was safe.	5	are the Risks of Inhalation? Did you ever do that?
6	Q Maybe I wasn't clear in my question.	6	MS. O'CONNOR: Same objection. Over
7	The information concerning the	7	broad, vague, ambiguous, compound. You may answer.
8	dangers of inhalation and the ability of the product	8	A My answer would have to be the same. We
9	to get deep into the lungs, was that ever	9	talked about the normal use and the best what way to
10	communicated to consumers, doctors or the media by	10	use the products. We didn't talk about exaggerated
11	you as the person who was the spokesperson for	11	studies or anything like that. It was the normal
12	Johnson and Johnson on such issues?	12	use.
13	MS. O'CONNOR: Objection to the form	13	Q The answer to my question is no, you never
14	of the question, compound, vague, ambiguous. You	14	provided this information, correct?
15	can answer.	15	MS. O'CONNOR: Same objection.
16	A The safety of the product and normal use	16	A We provided safety information based on
17	was related to the consumers.	17	the normal use.
18	Q Ma'am, that wasn't my question. My	18	Q So the answer to my question is no, you
19	question was did you ever communicate to the	19	never provided the information and the inhalation
20	consumer, a doctor or the media, the information	20	risks documents we went through, correct? You
21	concerning the risks of inhalation in this document	21	really refuse to answer the question?
22	we just went over?	22	MS. O'CONNOR objection.
23	MS. O'CONNOR: Same objection, same	23	Mischaracterizing
24	answer.	24	Q Let me ask you this question. You met
25	A I would have to answer the same way. What	25	with counsel 16 hours?
	Page 122		Page 124
1	we talked to consumers and doctors about was the way	1	MS. O'CONNOR: Again,
2	to use the product and the safety and normal use of	2	mischaracterizing the testimony.
3	the product.	3	A Not 16, 12.
4	Q Did you ever talk to doctors about the	4	Q 12, and you didn't get paid for that,
5	risk of inhalation and the ability of someone during	5	right?
6	normal use of Johnson's Baby Powder having that	6	A No.
7	powder reach the inner parts of the lung? Did you	7	Q So why did you take 12 hours of your busy
8	ever have that conversation?	8	lie to meet with counsel rather just come in answer
9	MS. O'CONNOR: Objection to the form.	9	the questions completely and without coaching?
10	Ambiguous, compound. You can answer.	10	MS. O'CONNOR: Objection.
11	A We didn't feel there was any danger in	11	Argumentative.
12	normal use of the product.	12	A I wouldn't call it coaching.
13	Q Let's just be clear and then I'll move on.	13	MS. O'CONNOR: Please make sure you
14	None of the information that was included in the	14	don't discuss anything we discussed in our meetings.
15	documents we just went over entitled, What are the	15	A I took the time without getting paid
16	Risks of Inhalation, was ever communicated by you to	16	because it is something I care very deeply about.
			Q You wanted to help Johnson and Johnson?
17	any consumer, to any doctor or to anybody else,	17	
18	true?	18	MS. O'CONNOR: Don't interrupt her
18 19	true? MS. O'CONNOR: Objection to the form	18 19	MS. O'CONNOR: Don't interrupt her answer, please. Continue your answer.
18 19 20	true? MS. O'CONNOR: Objection to the form of the question. You can answer.	18 19 20	MS. O'CONNOR: Don't interrupt her answer, please. Continue your answer. A As I said, I care very deeply about the
18 19 20 21	true? MS. O'CONNOR: Objection to the form of the question. You can answer. A We relayed the safety of the product	18 19 20 21	MS. O'CONNOR: Don't interrupt her answer, please. Continue your answer. A As I said, I care very deeply about the products. I truly believe in the sincerity of
18 19 20 21 22	true? MS. O'CONNOR: Objection to the form of the question. You can answer. A We relayed the safety of the product product when used as intended in normal use.	18 19 20 21 22	MS. O'CONNOR: Don't interrupt her answer, please. Continue your answer. A As I said, I care very deeply about the products. I truly believe in the sincerity of Johnson and Johnson. We are not going to go and
18 19 20 21 22 23	true? MS. O'CONNOR: Objection to the form of the question. You can answer. A We relayed the safety of the product product when used as intended in normal use. Q You just refuse to answer my question?	18 19 20 21 22 23	MS. O'CONNOR: Don't interrupt her answer, please. Continue your answer. A As I said, I care very deeply about the products. I truly believe in the sincerity of Johnson and Johnson. We are not going to go and market a product that is going to kill people that's
18 19 20 21 22 23 24	true? MS. O'CONNOR: Objection to the form of the question. You can answer. A We relayed the safety of the product product when used as intended in normal use. Q You just refuse to answer my question? MS. O'CONNOR: Objection.	18 19 20 21 22 23 24	MS. O'CONNOR: Don't interrupt her answer, please. Continue your answer. A As I said, I care very deeply about the products. I truly believe in the sincerity of Johnson and Johnson. We are not going to go and market a product that is going to kill people that's ridiculous.
18 19 20 21 22 23	true? MS. O'CONNOR: Objection to the form of the question. You can answer. A We relayed the safety of the product product when used as intended in normal use. Q You just refuse to answer my question?	18 19 20 21 22 23	MS. O'CONNOR: Don't interrupt her answer, please. Continue your answer. A As I said, I care very deeply about the products. I truly believe in the sincerity of Johnson and Johnson. We are not going to go and market a product that is going to kill people that's

	Page 125		Page 127
1	misinformation has been given to the public. That's	1	yourself and a number of other people, correct?
2	why I spend my time volunteering.	2	A Yes. I'm copied on this.
3	Q You wanted to help Johnson and Johnson	3	Q The subject is talc particle size
4	depends itself, right?	4	distribution. Do you see that?
5	MS. O'CONNOR: Objection.	5	A That's what it says, yes.
6	Mischaracterizes the testimony, argumentative. You	6	Q It starts out, there's an earlier memo
7	can answer.	7	dated May 21, 2009 to yourself from Charles
8	A I want to make sure the right, correct	8	Wajszczuk, and I'll pull it up so we are all on the
9	information reaches consumers.	9	same page.
10	Q Even if you weren't provided the right,	10	MS. O'CONNOR: Can we have your
11	correct information yourself, correct?	11	question?
12	MS. O'CONNOR: Objection to the form.	12	Q Charles Wajszczuk, subject talc particle
13	You can answer.	13	size distribution, and he asks by the way, he is
14	A As I said, I wanted to make sure the right	14	a doctor, right?
15	information reaches them.	15	A That's correct.
16	Q We are going to spend some time and with	16	Q He worked in your department?
17	your permission I'll put this deposition up on the	17	MS. O'CONNOR: Objection to the form.
18	internet and you will have your answer. How about	18	You can answer.
19	that?	19	A He worked in research and development,
20	MS. O'CONNOR: Wildly inappropriate,	20	yes.
21	argumentative. You don't have to answer that	21	Q He asks, "Do we have an actual size of our
22	question.	22	talc particles? Specifically how many, or what
23	Q Am I correct that Johnson and Johnson	23	percentage in the final product are less than point
24	never told you that it had no idea what the exact	24	one micrometer or greater than point one micrometer,
25	particle size were of the baby powder in evaluating	25	but less than point one micrometer or one to five
	Page 126		Page 128
1	how much of it can reach the lungs of babies and	1	micrometers, but greater than five, but less than
2	other human beings?	2	ten micrometers." Do you see that?
3	MS. O'CONNOR: Objection to the form.	3	A Yes.
4	You you may answer. Is there a question there?	4	Q And in one of the responses from Katharine
5	A Rephrase it, please.	5	Martin on the page before who is Katherine
6	Q Sure. Am I correct that Johnson and	6	Martin, by the way?
7	Johnson did not know, and never studied, what the	7	A She was the director of research and
8	size range of particles were in Johnson's Baby	8	development.
9	Powder in order to estimate correctly just how much	9	Q She was head of R and D?
10	talc would reach the lungs of a human being?	10	MS. O'CONNOR: Objection.
	-		v
11	MS. O'CONNOR: Objection to the form	11	Q That's different?
12	of the question. Compound, vague and ambiguous.	12	Q That's different? A One of the directors.
	of the question. Compound, vague and ambiguous. You may answer.	12 13	Q That's different?A One of the directors.Q She writes, "Do we have the ability to run
12 13 14	of the question. Compound, vague and ambiguous. You may answer. A I don't know the specific study. That	12 13 14	Q That's different? A One of the directors. Q She writes, "Do we have the ability to run particle size distribution internally or access this
12 13	of the question. Compound, vague and ambiguous. You may answer. A I don't know the specific study. That would have been in the field of microbiology.	12 13 14 15	Q That's different? A One of the directors. Q She writes, "Do we have the ability to run particle size distribution internally or access this from our suppliers? We need for our powders
12 13 14 15 16	of the question. Compound, vague and ambiguous. You may answer. A I don't know the specific study. That would have been in the field of microbiology. Q 392 starts with an email from David Chase	12 13 14 15 16	Q That's different? A One of the directors. Q She writes, "Do we have the ability to run particle size distribution internally or access this from our suppliers? We need for our powders globally, including talc and corn starch. Any
12 13 14 15	of the question. Compound, vague and ambiguous. You may answer. A I don't know the specific study. That would have been in the field of microbiology. Q 392 starts with an email from David Chase to Mathew Noble and other people in your	12 13 14 15 16 17	Q That's different? A One of the directors. Q She writes, "Do we have the ability to run particle size distribution internally or access this from our suppliers? We need for our powders globally, including talc and corn starch. Any thoughts." Did I read that correctly?
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12 13 14 15 16 17 18 19 20 21 22 23	of the question. Compound, vague and ambiguous. You may answer. A I don't know the specific study. That would have been in the field of microbiology. Q 392 starts with an email from David Chase to Mathew Noble and other people in your department, including yourself, correct? MS. O'CONNOR: Objection to the form of the question. You may answer. A It is a long thing. Q Let's get the title of the first email and then we will go backwards.	12 13 14 15 16 17 18 19 20 21 22 23	Q That's different? A One of the directors. Q She writes, "Do we have the ability to run particle size distribution internally or access this from our suppliers? We need for our powders globally, including talc and corn starch. Any thoughts." Did I read that correctly? A That's what it says. Q Before that, Charles says he needs this information vital to your argument, correct? A He says this may well be vital. Q Right. Then if you go to the very front page, Dr. Chase responds by saying he would be in
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12 13 14 15 16 17 18 19 20 21 22 23	of the question. Compound, vague and ambiguous. You may answer. A I don't know the specific study. That would have been in the field of microbiology. Q 392 starts with an email from David Chase to Mathew Noble and other people in your department, including yourself, correct? MS. O'CONNOR: Objection to the form of the question. You may answer. A It is a long thing. Q Let's get the title of the first email and then we will go backwards.	12 13 14 15 16 17 18 19 20 21 22 23	Q That's different? A One of the directors. Q She writes, "Do we have the ability to run particle size distribution internally or access this from our suppliers? We need for our powders globally, including talc and corn starch. Any thoughts." Did I read that correctly? A That's what it says. Q Before that, Charles says he needs this information vital to your argument, correct? A He says this may well be vital. Q Right. Then if you go to the very front page, Dr. Chase responds by saying he would be in

	Page 129		Page 131
1	A That's what it says.	1	any consumer?
2	Q Who is Mathew Noble? What was his job?	2	MS. O'CONNOR: Objection to the form
3	A I believe he was Global R and D director.	3	of the question. Compound, vague, ambiguous. You
4	Q He was in charge of or he was a director	4	may answer.
5	for of R and D on a global basis?	5	A I don't see what that has to do with what
6	_	6	
	A One of them, yes.		a consumer's question may have been. I don't know
7	Q Who was Euen Gunn?	7	if that was ever given. I don't know.
8	A He was also an R and D director.	8	Q How about any doctor? Certainly a doctor
9	Q Who was they Delores Santora?	9	would want to know this, don't you think?
10	A Development person.	10	MS. O'CONNOR: Objection to the form.
11	Q When it says it has the designation JJISG	11	A I don't know.
12	for Mathew Noble, what does that stand for?	12	Q Did you ever give that information to any
13	A Whatever country he was from.	13	doctors?
14	Q He wasn't in the U.S.?	14	MS. O'CONNOR: Objection.
15	A No.	15	A I personally didn't, no.
16	Q Dr. Chase writes, "He would be in favor of	16	Q Do you have any evidence as you sit here
17	finding out what particle size specifications are	17	today that this information was ever communicated by
18	for cosmetic grade talc." Do you see that's?	18	Johnson and Johnson to any doctors?
19	A That's what it says, yes.	19	MS. O'CONNOR: Objection to the form.
20	Q As of May 22, 2009, the people on this	20	You may answer it.
21	email, they don't have any idea what the particle	21	A I don't know.
22	size is for all of the cosmetic grade talc, do they?	22	MR. PLACITELLA: Mark this Musco-2.
23	MS. O'CONNOR: Objection to the	23	(The above document is marked
24	characterization of the document. You may answer.	24	Musco-2.)
25	A It appears they are asking for it.	25	114600 2.1)
	11 To appears usely are asking for its		
	Page 130		Page 132
1	Q The response is, and you got a copy of	1	Q I'm not going to do all of that. That's
1 2	Q The response is, and you got a copy of this from Charles Wajszczuk, "The size does matter.	1 2	Q I'm not going to do all of that. That's the good news.
2	this from Charles Wajszczuk, "The size does matter.	2	the good news.
2	this from Charles Wajszczuk, "The size does matter. As to the particle's ability to reach the alveolus. There are two issues that make bronchoscopy	2 3	the good news. I'm going to tell you what that is. Those are all the tests that I marked at a
2 3 4	this from Charles Wajszczuk, "The size does matter. As to the particle's ability to reach the alveolus. There are two issues that make bronchoscopy necessary. Mechanical obstruction or physiologic	2 3 4	the good news. I'm going to tell you what that is. Those are all the tests that I marked at a deposition of John Hopkins when he was testifying on
2 3 4 5	this from Charles Wajszczuk, "The size does matter. As to the particle's ability to reach the alveolus. There are two issues that make bronchoscopy necessary. Mechanical obstruction or physiologic interference with blood gas exchange. The first	2 3 4 5	the good news. I'm going to tell you what that is. Those are all the tests that I marked at a deposition of John Hopkins when he was testifying on behalf of Johnson and Johnson about whether or not
2 3 4 5 6	this from Charles Wajszczuk, "The size does matter. As to the particle's ability to reach the alveolus. There are two issues that make bronchoscopy necessary. Mechanical obstruction or physiologic interference with blood gas exchange. The first seems to be the issue with talc. Particles	2 3 4 5 6	the good news. I'm going to tell you what that is. Those are all the tests that I marked at a deposition of John Hopkins when he was testifying on behalf of Johnson and Johnson about whether or not there was asbestos ever found in Johnson's Baby
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2 3 4 5 6 7	this from Charles Wajszczuk, "The size does matter. As to the particle's ability to reach the alveolus. There are two issues that make bronchoscopy necessary. Mechanical obstruction or physiologic interference with blood gas exchange. The first seems to be the issue with talc. Particles accumulate and form a material blockage in the bronchial tree." Do you see that?	2 3 4 5 6 7	the good news. I'm going to tell you what that is. Those are all the tests that I marked at a deposition of John Hopkins when he was testifying on behalf of Johnson and Johnson about whether or not there was asbestos ever found in Johnson's Baby Powder or the mines that the baby powder came from. I want you to just quickly glance through that.
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Page 133 Page 135 1 A What I provided was input into information 1 testing showing asbestos in the mines, would that 2 2 that was on those pages, and anything that was given have been appropriate information to supply in the 3 to the lawyers would have been between the lawyers. 3 Interrogatory answers that you certified as true and 4 Q You never saw physically any of the accurate? 4 5 5 MS. O'CONNOR: Objection to the form testing documents, so as you sit here today, you 6 can't really testify under oath that there were no 6 of the question. Vague, ambiguous, mischaracterizes 7 testing documents showing there was asbestos in 7 the testimony 8 Johnson's Baby Powder or the mines from which it 8 A Again, what was provided was answers to 9 came, because you never looked at the documents 9 those questions as determined by legal counsel. 10 yourself, correct? 10 Q So your role was just to sign it without 11 MS. O'CONNOR: Objection, vague, 11 ever reviewing anything, just relying on whatever the lawyers told you? 12 ambiguous compound. You can answer. 12 A My job was not to look at and review the 13 MS. O'CONNOR: Objection, 13 14 study. I was part of a team. I relied on that team 14 argumentative. 15 for the expertise of that team. Just like a nurse 15 Q Right? That's what happened here? MS. O'CONNOR: I don't know how many 16 taking care of my patients. I am not privy to 16 everything about them, but I'm the communicator. 17 times you are going to mischaracterize documents. 17 18 Q I understand that, Ma'am, but you actually 18 A I was the point person. I provided the 19 certified under oath about what information was 19 names or departments of the correct people who could 20 available and I didn't see anything in the 20 give the information and the final say of that was a Interrogatories that you certified about any tests 21 21 legal matter. showing that was asbestos in either Johnson's Baby 22 22 Q But you did nothing other than to talk to 23 23 the lawyers to verify whether the information you Powder at any point in time, or in any of the mines that were used to supply that powder. Do you agree 24 supplied in Interrogatories was the truth and the 24 25 with me? 25 whole truth, correct? Page 134 Page 136 1 MS. O'CONNOR: Objection to the form. 1 MS. O'CONNOR: Objection to the form. Argumentative, calls for speculation. You can 2 Compound, vague, ambiguous, calls for a Legal 2 3 conclusion. You can answer. 3 A What I answered were the direct questions 4 4 A No, what I did is to make sure the 5 5 asked. Any testing provided, again, was from the correct people were provided the appropriate 6 lawyers. 6 information. 7 Q So the lawyers made the determination as 7 O You never verified that information 8 to what was going to be communicated and what was 8 yourself, correct? 9 not going to be communicated. It was not you. Is 9 A That was not my job. 10 that fair? 10 Q That was not your job? MS. O'CONNOR: Objection to the form MS. O'CONNOR: Objection. 11 11 MR. PLACITELLA: Mark this Musco-3. 12 of the answer. 12 A Since it was a legal matter, they were the 13 (The above document is marked 13 14 appropriate person to make the final decisions. 14 Musco-3.) Q If there was information that was 15 15 withheld, that was done by the lawyers, not you? 16 16 Q You have in front of you a that was marked MS. O'CONNOR: Objection to the form 17 17 at Dr. Hopkins's deposition that was created during 18 of the question. Vague, ambiguous calls for his deposition, which we have now marked as Musco-3. 18 19 speculation. You may answer. 19 I ask you to take a look at that. You have never 20 A The appropriate information was given. 20 seen this chart before, correct? 21 Q What do you mean by that? 21 22 A It was what was determined appropriate for 22 Q Although you spent somewhere around twelve 23 the particular question. hours with the lawyers preparing for this 23 Q Was it appropriate if you had information 24 24 deposition, they never shared this chart with you, 25 in your possession showing that there was asbestos 25 correct?

	Page 137		Page 139
1	A This is the first I've seen it.	1	MS. O'CONNOR: Objection to the form
2	Q As you will see the chart goes in	2	of the question.
3	chronological order.	3	A I'm not familiar with this. I didn't read
4	A It starts in 1967. It seems to be, yes.	4	the exact testing. This the first I've seen it.
5	Q We can put it up on the screen and do it	5	Q Here is my issue. You are looking into
6	easier.	6	the camera saying you believe everything was done
7	This chart, as you see, has the date,	7	right and you say that, but you haven't seen any of
8	the testing entity, the author, the purpose, the	8	the tests on this chart to make that evaluation for
9	method, the mine, what was tested, the precautions	9	yourself, right?
10	and what the tests revealed. Do you see that?	10	MS. O'CONNOR: Objection to the form.
11	A Yes.	11	Argumentative, vague, ambiguous. You can answer.
12	Q No one ever shared with you the tests from	12	A My role was not to read or assess the
13	1971 done by Johnson and Johnson on baby powder	13	studies done.
14	production where the revelation was Tremolite and	14	Q How about the test that was done by
15	Actinolite, correct? That was never shared with	15	Johnson and Johnson on Johnson's Baby Powder in 1973
16	you?	16	that showed Tremolite or Actinolite. You haven't
17	MS. O'CONNOR: Objection to the form.	17	seen there either, right?
18	You can answer.	18	A Again, my role was not to look at the
19	A No.	19	tests.
20	Q No one ever shared with you the test from	20	Q And you never saw the tests on baby powder
21	1971 done by McCrone. McCrone is one of the	21	from 4-27-73, correct?
22	companies you actually list in the Answers to	22	A No.
23	Interrogatories you signed, correct?	23	Q You never saw the test on Shower to Shower
24	A I remember that name was there.	24	done by the FDA in September 1973, correct?
25	Q They did a test of Shower to Shower and	25	MS. O'CONNOR: Objection to the form.
			Page 140
	rage 130		raue 140 l
1		1	
1	found traces of chrysotile in one of the additives.	1	You may answer.
2	found traces of chrysotile in one of the additives. That was never shared with you, correct?	2	You may answer. A No, I did not.
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2 3 4	found traces of chrysotile in one of the additives. That was never shared with you, correct? A This is the first I've seen it. Q Did you ever see a test from August 1972	2 3 4	You may answer. A No, I did not. Q Is it fair to say you want to look at it again, that you have never seen any of the tests set
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	Page 141		Page 143
1	interrogatory answers that tremolite was never found	1	worked for Rutgers and was paid by Johnson and
2	in the mines or sources form Johnson's Baby Powder,	2	Johnson?
3	this information was never shared with you, correct?	3	A I don't know the name.
4	MS. O'CONNOR: Objection to the form	4	Q Do you know that she worked as a
5	of the question. Misstates her testimony	5	consultant to Johnson and Johnson to assist them in
6	and the document. You may answer.	6	litigation?
7	· · · · · · · · · · · · · · · · · · ·	7	A I never hear the name.
	A As I explained earlier, my role was not to		
8	assess the results of studies. My role was to	8	MS. O'CONNOR: Objection to the form.
9	communicate and I worked with all the experts and	9	Q Do you know that she told Johnson and
10	provided the information to the consumers they told	10	Johnson before you ever swore under oath that there
11	me.	11	was no evidence of asbestos in Johnson's Baby
12	Q Whatever they told you. So the	12	Powder, that she actually tested the baby powder and
13	information you provided was only as good as what	13	found asbestos. Did you know that?
14	they told you, correct?	14	A Could you rephrase the question?
15	MS. O'CONNOR: Objection to the	15	Q Sure look at 220. This is a letter from
16	form.	16	Alice Blount, mineralogist, to the lawyers for
17	A No. I trusted the experts I worked with	17	Johnson and Johnson dated April 23, 1998. Do you
18	through the years. That's one thing I always	18	see that?
19	valued.	19	A That is what it says her, yes.
20	Q When you swore under oath under penalty of	20	Q In here she talks about the studies she
21	perjury that tremolite was never found in any of the	21	did on Johnson and Johnson's Baby Powder, correct?
22	sources for Johnson's Baby Powder, was the	22	A I have to read it.
23	information in the documents in front of you ever	23	Q Sure. Take your time. Dr. Blount says,
24	conveyed to you?	24	"Although my papers report an improved method for
25	MS. O'CONNOR: Objection to the form.	25	analysis, the determination for the samples labeled
20	Mo. o corvitore. Objection to the form.	20	analysis, the determination for the samples labeled
	Page 142	1	Page 144
	Page 142		Page 144
1	You may answer.	1	I, Johnson and Johnson Vermont Talc, have been done
1 2	You may answer. A This the first I've seen this.	2	I, Johnson and Johnson Vermont Talc, have been done by the traditional methods as well."
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2	You may answer. A This the first I've seen this. Q Look at tab 26. It is all in there. We can just go by those and make your life easier.	2	I, Johnson and Johnson Vermont Talc, have been done by the traditional methods as well." Then she goes on to say, "as I told you, I believe that Johnson and Johnson's Vermont
2	You may answer. A This the first I've seen this. Q Look at tab 26. It is all in there. We can just go by those and make your life easier. 26 is a memo from the desk of Mr.	2 3	I, Johnson and Johnson Vermont Talc, have been done by the traditional methods as well." Then she goes on to say, "as I told you, I believe that Johnson and Johnson's Vermont talc contains trace amounts of asbestos which are
2 3 4	You may answer. A This the first I've seen this. Q Look at tab 26. It is all in there. We can just go by those and make your life easier.	2 3 4	I, Johnson and Johnson Vermont Talc, have been done by the traditional methods as well." Then she goes on to say, "as I told you, I believe that Johnson and Johnson's Vermont
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	Page 145		Page 147
1	lawyers at Mahaffey and Weber to Mr. O'Shaughnessy	1	This document is absolutely
2	concerning the company's Coker case. Do you see	2	inconsistent with that representation, is it not?
3	that?	3	MS. O'CONNOR: Objection to the form.
4	A I would have to read all this.	4	Argumentative, vague, ambiguous. You can answer.
5	Q It is important so why don't you take a	5	A This is the first I heard of this Dr.
6	second and look at it.	6	Blount. First I've seen this, so I can't comment on
7	Bates number on that last page 64591	7	it.
8	and 65492. Now, this letter to Mr O'Shaughnessy	8	Q If you had this information in your
9	states that the lawyers spoke with Alice Blount and	9	possession, would you have signed sworn Answers to
10	the possibility of retaining her as an expert. Do	10	Interrogatories under oath saying that there is no
11	you see that?	11	evidence?
12	A Yes.	12	
13		13	MS. O'CONNOR: Objection to the form of the question. You are mischaracterizing a
14	Q She is a geologist and mineralogist who has written extensively on talc and asbestos	14	document she signed.
15	contamination in commercial talc preparations,	15	<u> </u>
16	* *	16	Q Let me ask you this. Would you have told patients, doctors, the media outlet, that there is
	correct?		*
17 18	A That's what it says yes.Q She was a former professor at Rutgers,	17 18	no evidence whatsoever that Johnson's Baby Powder
19	*	19	contained any amounts of asbestos and there never
20	right?	20	was and there never will be, if this information was you provided to you?
21	A That's what it says.Q The next page says she was actually a	21	MS. O'CONNOR: Objection to the form.
22	consultant to Johnson and Johnson, right?	22	You can answer.
23	A Yes. That's what it says.	23	
24	Q She said, what they state is, although dr.	24	A I think it is important to read everything that it said here and not to take things out of
25	Blount seemed less than ecstatic about the idea of	25	context so that the consumer has the information.
23	Brount seemed less than ecstatic about the idea of	25	context so that the consumer has the information.
	Page 146		Page 148
1	Page 146 testifying in a legal proceeding, she agreed to	1	Page 148 Q But you never told consumers about any of
1 2	testifying in a legal proceeding, she agreed to consult in the case if we desired her to do so. But	1 2	-
	testifying in a legal proceeding, she agreed to		Q But you never told consumers about any of
2	testifying in a legal proceeding, she agreed to consult in the case if we desired her to do so. But	2	Q But you never told consumers about any of this, right?
2	testifying in a legal proceeding, she agreed to consult in the case if we desired her to do so. But stated that, "In her opinion, commercial talcum	2 3	Q But you never told consumers about any of this, right? MS. O'CONNOR: Objection to the form.
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2 3 4 5	testifying in a legal proceeding, she agreed to consult in the case if we desired her to do so. But stated that, "In her opinion, commercial talcum powder preparations, including Johnson and Johnson's Baby Powder, contain trace amounts of asbestos." Did	2 3 4 5	Q But you never told consumers about any of this, right? MS. O'CONNOR: Objection to the form. A As I stated earlier, this the first I've hear of this woman and the first I've seen it, so i
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	testifying in a legal proceeding, she agreed to consult in the case if we desired her to do so. But stated that, "In her opinion, commercial talcum powder preparations, including Johnson and Johnson's Baby Powder, contain trace amounts of asbestos." Did I read that correctly? A That's what it says here, correct. Q That's the first time you ever heard that? MS. O'CONNOR: Objection to the form. A I've never seen this before. Q When you swore under oath in the crush case that there was no evidence of asbestos in the Johnson Baby Powder, no one gave you this document or told you anything about Alice Blount, correct? MS. O'CONNOR: Objection to the form of the question. You may answer. A This is the first I've hear of her, but when you go on to read, she talks about it being a well below limits. Q Yes, Ma'am, but what you stated, and I have it here this is what you told everybody from 1981 until the day you left, there is no evidence that Johnson's Baby Powder contained any amounts of	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q But you never told consumers about any of this, right? MS. O'CONNOR: Objection to the form. A As I stated earlier, this the first I've hear of this woman and the first I've seen it, so i can't comment. Q Is it shocking to you? MS. O'CONNOR: Objection to the form. Vague, ambiguous. A No. Q It is not shocking to you that you sat with the lawyer for twelve hours in preparation for this deposition and they had this information in their possession, along with everything in that book and they never showed it to you and they let you come in here and testify? That's not shocking to you? MS. O'CONNOR: Objection to the form. Argumentative, inappropriate. Q It is not shocking to you? A It doesn't shock me, no. Q Now, at some point in time you actually took control and possession of all of the toxicology

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	Page 149		Page 151
1	A No. That belonged with the toxicology	1	they related to the toxicology of talc and corn
2	department.	2	starch? Did you disclose any of these files?
3	MS. O'CONNOR: Wait for a question.	3	MS. O'CONNOR: Objection to the form.
4	Q Did you ever review the toxicology file	4	Mischaraterizes the document. Vague, ambiguous.
5	related to talc in Johnson's Baby Powder?	5	A No. As I stated earlier, I didn't
6	A No, I did not.	6	physically handle the studies.
7	Q Who is Steve Mann?	7	Q Although you were the point person that's
8	A One of the toxicologists.	8	what you told us, so all those when you were the
9	Q Who is Rachel Grossman?	9	point person, none of this information was
10	A One of the medical directors.	10	ultimately turned over in the crush case, was it?
11	Q Medical directors of who?	11	MS. O'CONNOR; Objection to the form.
12	A Medical director of Johnson and Johnson	12	Calls for speculation.
13	Consumer Products.	13	A No, I didn't say that. The point person
14	Q Let me show you 390. 390 is a January 7,	14	was ensuring that the correct and appropriate person
15	2002 email from Stephen Mann that mentions you,	15	was answering the questions.
16	correct?	16	Q To your knowledge this information was
17	A My name is here, yes.	17	never identified by you and turned over in the Krushinski
18	Q And the first email in the string is from	18	case, correct?
19	you, correct? January 2, 2002.	19	MS. O'CONNOR: Objection to the form.
20	A Yes.	20	A As I said, I didn't handle any copies of
		21	studies or anything.
21	Q You sent that email to the medical	22	· ·
22	director and one of the head toxicologists at		Q The follow up email says that the boxes
23	Johnson and Johnson, correct?	23	were taken from you and placed near Paul Sterchele. Who is Paul Sterchele?
24	A Yes One of the toxicologists, yes.	25	
25	Q And you write, "Steve, Mike Chudkowski	25	A A toxicologist.
	Page 150		Page 152
1	left all of the talc corn starch slash CPSC files."	1	Q And Mann says that he also has five
2	What does that mean?	2	binders that Mike Chudkowski left that are in his
3	A Consumer Products. I'm not sure of the	3	office, correct?
4	other.	4	A That's what it says.
5	Q "In my office when he retired. These	5	Q And were those binders ever turned over in
6	approximately five boxes, all seem to be full of	6	the course of litigation up to this point?
7	toxicology data." Do you see that?	7	MS. O'CONNOR: Objection to the form.
8	A I do.	8	Calls for speculation, calls for a legal conclusion,
9	Q How did you know they were full of	9	ambiguous, vague.
10	toxicology data?	10	A I don't know what specifically was given
11	A They seemed to be full.	11	lawyer to lawyer.
12	Q Did you look in the boxes?	12	Q Did you ever identify, as the point
13	A I looked in the boxes. I don't remember	13	person, binders related to talc that were in Mike
14	doing this, but I'm sure I gave it a cursory look.	14	Chudkowski's office when you were responding to
15	Q Once you had this information in your	15	helping to respond to discovery in the talc related
16	possession, did you ever actually look at it before	16	lawsuits?
17	you continued to tell consumers, doctors, media	17	MS. O'CONNOR: Again, mischaracterizes
18	people that Johnson's Baby Powder is perfectly safe?	18	the testimony.
19	MS. O'CONNOR: Objection to the form.	19	MR. PLACITELLA: I'm asking a
20	Compound, vague and ambiguous	20	question. I'm not mischaracterizing.
20	· · · · · · · · · · · · · · · · · · ·	21	MS. O'CONNOR: You are. You are
21	A I don't remember. These were apparently		
	A I don't remember. These were apparently kept in my office and I passed them on to	22	building into your question a characterization of
21	kept in my office and I passed them on to	22 23	building into your question a characterization of her testimony that she told you she wasn't. But you
21 22	kept in my office and I passed them on to toxicology.	1	her testimony that she told you she wasn't. But you
21 22 23	kept in my office and I passed them on to	23	
21 22 23 24	kept in my office and I passed them on to toxicology. Q Did you disclose any of these files when	23 24	her testimony that she told you she wasn't. But you can continue to do it and I'll continue to object.

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1	don't want your lawyer to get mad at me.	1	part of your responsibility never to misrepresent to
2	Q Before when you were answering discovery	2	the public who you were and who you worked for?
3	responses, and swearing under oath as to the	3	MS. O'CONNOR: Objection to the form
4	accuracy of those responses, were you aware of the	4	of the question. You can answer.
5	binders referenced in this email?	5	A Could you rephrase that?
6	MS. O'CONNOR: Objection to the form.	6	Q In other words, when you were talking to
7	Vague, ambiguous, compound. You can answer.	7	the public or to the media, you would not
8	A I can't remember whether I was aware of	8	misrepresent who you were and who you worked for,
9	them. They were certainly toxicology information.	9	correct?
10	It is up to the toxicologist. I don't know that I	10	MS. O'CONNOR: Objection to the form.
11	knew they had it or not.	11	You can answer.
12	Q Were you aware that there was a whole file	12	A When I spoke to the consumers I identified
13	on five boxes of toxicology information at the time	13	myself and the same thing with the media, yes.
14	you swore under oath in the Krushinski case?	14	Q It would be contrary to the business
15	MS.O'CONNOR: Objection to the form.	15	ethics followed by Johnson and Johnson for you to
16	You may answer it.	16	misrepresent yourself to the media in terms of who
17	A I don't know that I knew there were five	17	you were, correct?
18	boxes or ten boxes. I knew every department had	18	MS. O'CONNOR: Objection to the form
19	information.	19	of the question, you can answer.
20	Q Do you know what ultimately happened to	20	A Whenever there was a media question, I
21	this information, these boxes and the binders?	21	would identify myself, yes.
22	A They are in the toxicology department.	22	Q So when you were dealing with the issue of
23	Q That's where you would expect them to be?	23	asbestos in the Johnson and Johnson talc, why would
24	A If they were toxicology reports, yes.	24	you misrepresent yourself to radio stations as to
25	Q Because by this time there was definitely	25	whether or not you worked for Johnson and Johnson?
	Page 154		Page 156
1	a litigation hold and they weren't allowed to get	1	Why would you do that?
2	rid of them, right?	2	MS. O'CONNOR: Objection to the form
3	MS. O'CONNOR: Objection to the form.	3	of the question. You can answer.
4	Calls for a legal conclusion. You can answer.	4	A I don't remember that I did.
5	A I don't know if there was a hold at this	5	Q That would have been totally wrong to do,
6	time or not.	6	right?
7	MS. O'CONNOR: I need to interpose an	7	MS. O'CONNOR: Objection to the form.
8	objection on exhibit 218 and request you not	8	You can answer.
9	question the witness further about this document. I	9	A I don't know what you mean by misrepresent
10	think this is privileged.	10	myself.
11	MR. PLACITELLA: It has never been	11	Q You told them you were a consumer and you
12	used in a trial?	12	were trying to find out information from them. Not
13	MS. O'CONNOR: I don't know if this	13	telling them you worked for Johnson and Johnson,
14	version has. I need to check on this.	14	would be a mission representation about who you were
15	MR. PLACITELLA: I won't ask anymore	15	and who you worked for, correct?
16	questions then. I don't want to get myself in	16	MS. O'CONNOR: Objection to the
17	trouble or anybody else.	17	form. Vague, ambiguous. You can answer.
18	THE VIDEOGRAPHER: The is now 2:52	18	
19	p.m. and we are going off the record.	19	A Well, I am a consumer.
20		20	Q But as part of the business ethics of
21	THE VIDEOGRAPHER: The time is 3:06	21	Johnson and Johnson, when you are out there working
22	and we are back on the video record.	22	for Johnson and Johnson, you are supposed to
23		23	identify yourself as the spokesperson for Johnson
24	Q As the spokesperson for Johnson and	24	and Johnson. You are not supposed to mislead
	Q As the spokesperson for Johnson and Johnson related to products, baby powder, was it	24 25	and Johnson. You are not supposed to mislead anyone, correct?

	Page 157		Page 159
1	MS. O'CONNOR: Objection to the form.	1	A I don't remember her name.
2	Compound, vague, ambiguous. You can answer.	2	Q It says CPCUS, that means she worked
3	A Would you reask that again? There's a lot	3	within the same division you did, right?
4	in there.	4	A Means she worked for consumer products.
5	Q This memo we marked before, 358, that you	5	Q That's what you worked for?
6	sent to everybody in the company on January 2, 1986,	6	A Yes. There were a lot of people.
7	about your conversations and your reassurance that	7	Q What about Frederick Tewell, T E W E L L?
8	Johnson's Baby Powder doesn't contain asbestos.	8	A I don't remember that name.
9	A Which document?	9	Q Here Todd True writes to Frederick Tewell
10	Q 358. I put it up there. Do you remember	10	and a copy goes to Christina Geist who is part of
11	this?	11	the global strategic design office for Johnson and
12	A Yes.	12	Johnson, correct?
13	Q You told everybody at Johnson and Johnson	13	A That's what her signature says.
14	that you called the radio station and identified	14	Q And what True says is, "The reality that
15	yourself as a consumer and asked information	15	talc is unsafe for use on slash around babies is
16	whatever they had on the dangers of baby powder?	16	disturbing. I don't mind selling talc. I just
17	MS. O'CONNOR: Objection to the form	17	don't think we can continue to call it baby powder
18	of the question. You can answer.	18	and keep it in the baby aisle. Have we done any
19	A Yes, that's what it says.	19	research to determine the potential negative impact
20	Q You told that to everybody on the list?	20	to our brand or best for babies strategy by
21	A The distribution list was, yes.	21	maintaining this ingredient. Have we looked at
22	Q You never identified yourself as being	22	replacing talc with cornstarch for our base powder,
23	from Johnson and Johnson, correct?	23	as other brands have? What is the value in
24	A That's what I said.	24	maintaining talc under baby while our competitors
25	Q Who is Todd True?	25	have moved away?"
			·
	Page 158		Page 160
			1490 100
1	A I think he was packaging, but I'm not	1	You weren't aware of this debate
1 2	sure. I remember the name.	2	You weren't aware of this debate going on within Johnson and Johnson while you were
	sure. I remember the name. Q Did you have any dealings with him?	2 3	You weren't aware of this debate going on within Johnson and Johnson while you were talking about how safe baby powder was?
2	sure. I remember the name. Q Did you have any dealings with him? A The name is familiar, but I cannot say	2 3 4	You weren't aware of this debate going on within Johnson and Johnson while you were talking about how safe baby powder was? MS. O'CONNOR: Objection to the form
2	sure. I remember the name. Q Did you have any dealings with him? A The name is familiar, but I cannot say specifically what he did.	2 3 4 5	You weren't aware of this debate going on within Johnson and Johnson while you were talking about how safe baby powder was? MS. O'CONNOR: Objection to the form of the question. You can answer.
2 3 4	sure. I remember the name. Q Did you have any dealings with him? A The name is familiar, but I cannot say specifically what he did. Q Do you know what his job was in packaging?	2 3 4 5 6	You weren't aware of this debate going on within Johnson and Johnson while you were talking about how safe baby powder was? MS. O'CONNOR: Objection to the form of the question. You can answer. A I was not aware of this conversation with
2 3 4 5	sure. I remember the name. Q Did you have any dealings with him? A The name is familiar, but I cannot say specifically what he did. Q Do you know what his job was in packaging? A No. That's what I mean. I remember the	2 3 4 5	You weren't aware of this debate going on within Johnson and Johnson while you were talking about how safe baby powder was? MS. O'CONNOR: Objection to the form of the question. You can answer. A I was not aware of this conversation with these people, no.
2 3 4 5 6	sure. I remember the name. Q Did you have any dealings with him? A The name is familiar, but I cannot say specifically what he did. Q Do you know what his job was in packaging? A No. That's what I mean. I remember the name, but I'm not really sure what he did.	2 3 4 5 6 7 8	You weren't aware of this debate going on within Johnson and Johnson while you were talking about how safe baby powder was? MS. O'CONNOR: Objection to the form of the question. You can answer. A I was not aware of this conversation with these people, no. Q 383 is an April 18, 2008 email from Todd
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	Page 161		Page 163
1	A No, and I don't know Fred wrote this.	1	rid of talc.
2	I don't know where that came from.	2	Q Who is Christopher Hacker?
3	Q Do you know what he is talking about, the	3	A Again, I remember the name, but I don't
4	tale issue and doctors recommending to moms not to	4	remember specifically what his department or
5	use it? Were you aware of that as a somebody	5	responsibilities were.
6	actually in charge of responding to these kind of	6	Q What about Michael Rosolowsky? Did we go
7	inquiries?	7	over that one?
8	A Yes. I was aware some physicians feel	8	A Mike was market research.
9	that way, yes.	9	Q I have up here on the screen 384, which
10	Q Did you know that inside Johnson and	10	starts with an email from Todd True to Christopher
11	Johnson the discussion was that the talc was not	11	Hacker and says that looks like Todd True
12	being sold to mothers?	12	actually works in your division, CPCUS, right?
13	MS. O'CONNOR: Objection. You can	13	A That means he worked for Consumer
14	answer. Vague and ambiguous.	14	Products. There's many different departments in
15	A These are just the words that Fred says.	15	Consumer Products. I didn't know everyone.
16	Not being it is widespread.	16	Q Hacker worked for JJCUS. What is that?
17	Q Is there any reason to disbelieve or do	17	A I don't know exactly what the initials
18	you have any issues with the voracity with which he	18	would stand for.
19	speaks on a regular basis? He must have gotten it	19	Q Rosolowsky worked in your department,
20	from somewhere the idea that because of the talc	20	according to this?
21	issue, you weren't marketing baby powder for use on	21	MS. O'CONNOR: Objection to the form.
22	babes, right? Where did he get that from?	22	A He worked for consumer products.
23	A Well, it is not true, so I don't know what	23	Q You worked for consumer products, too,
24	made him say this. I can't speculate on this.	24	right?
25	Q Now we have two people that disagree with	25	A Yes, along with a lot of other people.
			Page 164
1	you about whether babies, the talc should be used	1	Q What is stated here is, "I want to give
2	around babies. We have the person dealing with the	2	you a heads up that I am on a bit of a mission to
3	packaging and we have somebody directly in your	3	strongly consider moving talc from the baby aisle.
4	department, right?	4	I sent notes to Paul Serbiak and Fred Tewell as well
5	MS. O'CONNOR: Objection to the form	5	as one to Fred K below. Who is Paul Serbiak?
6	of the question. You can answer.	6	A Paul was the head of the R and D
7	A I don't interpret this as Fred saying he	7	department.
8	doesn't agree. He is talking about there are some	8	Q So he was head of R and D and he was also
9	doctors out there. He is not giving his personal	9	privy to the mission to remove talc entirely from
10	opinion.	10	the baby aisle, right?
11	Q What he is saying is he understands that	11	MS. O'CONNOR: Objection. Calls for
12	you are using corn starch instead and that you are	12	speculation. You can answer.
13	not marketing baby powder for babies anymore and he	13	Q According to this.
14	worked in your same department.	14	A According to this email, he was privy to
15	MS. O'CONNOR: Objection to the form.	15	one person's opinion.
16	You can answer.	16	Q Then they state on the bottom, "I
17	A Again, I don't know the background for	17	understand this is a 70 million dollar business in
18	Fred saying this.	18	the U.S. alone unsupported. So any changes are
19	Q Did you know it was the mission of people	19	risky. However, given a number of other ingredient
20	at Johnson and Johnson to get talc, while you were	20	issues we are facing, this seems like an easy fix
21	out there promoting it, to get talc removed entirely	21	and win. I know this will be controversial and will
22	from the supermarkets in the baby aisle?	22	need to work hard to justify the cost implications.
23	MS. O'CONNOR; Objection to the form.	23	I also see great positives associated with it in our
24	Mischaracterizes the testimony. You can answer.	24	challenge to maintain mom's trust and deliver on our
25	A Not true. There was not a mission to get	25	baby expertise." I read that correct?

	Page 165		Page 167
1	A Yes. That's what it says.	1	MS. O'CONNOR: Objection to the form
2	Q None of this information was shared with	2	of the question.
3	you, this debate that was going on about whether	3	A They were well aware of the people that
4	babies should even been around baby powder while you	4	were providing the evidence.
5	were supposed to be the person who was supposed to	5	Q So they were well aware you were hiring
6	be the spokesperson?	6	people let's not go there. That's a whole other
7	MS. O'CONNOR: Objection to the form	7	day.
8	of the question. You can answer.	8	You agree with me that you had a
9	Q Is that right?	9	standby statement ready to go to pull the Johnson's
10	A I've seen of this email.	10	Baby Powder with talc from the market if you lost
11	Q Do you remember back in 2000 when there	11	the battle before the National Toxicology Project,
12	was an issue about whether the talc itself without	12	right?
13	asbestos was going to be classified as a human	13	MS. O'CONNOR: Objection to the form
14	carcinogen by the National Toxicology Project? Do	14	If you have a document, show her the document.
15	you recall that?	15	MR. PLACITELLA: I'm asking her what
16	A Yes.	16	she knows.
17	Q Did anyone ever tell you that Johnson and	17	A In the normal course of business it was
18	Johnson had a standby statement ready to go from a	18	proven to have something ready.
19	PR respective that if somebody determined that the	19	Q Let me show you 411. 411 is a November 9
20	talc was carcinogenic they were ready to switch to	20	2000 memo from Kate Triggs. Do you know who Kate
21	cornstarch on a moment's notice? Did you know	21	Triggs is?
22	that?	22	A No.
23	MS. O'CONNOR: Objection to the form.	23	Q How about Sarah Colamarino?
24	Misstates the evidence, ambiguous.	24	A Yes. She was director of communications.
25	A Part of our process would be if the NTP	25	Q What does that mean, director of
			Page 100
			Page Ind I
1	-	1	Page 168
1	determined the ingredient was carcinogenic, as a	1	communications?
2	determined the ingredient was carcinogenic, as a company we would do the responsible thing and have a	2	communications? A She would be responsible for the ultimate
2	determined the ingredient was carcinogenic, as a company we would do the responsible thing and have a response.	2	communications? A She would be responsible for the ultimate overall communications of any issue that had to be
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	Page 169		Page 171
1	A Correct.	1	of the question.
2	Q And you became involved, but you had no	2	A What was the question?
3	formal training in this regard and no expertise in	3	Q You created a package that resembled in
4	this regard, correct?	4	form a baby bottle.
5	MS. O'CONNOR: Objection to the form.	5	A Baby bottles come in all sizes and shapes
6	You can answer.	6	and colors. It does not look like a baby bottle.
7	A I was involved as a member of the team.	7	Q You are not aware of any information
8	Q To your knowledge has the use of Johnson	8	within Johnson and Johnson where there was a
9	Baby Powder ever resulted in the death of any human	9	discussion about the packaging reassembling a baby
10	being?	10	bottle?
11	MS. O'CONNOR: Objection to the form	11	MS. O'CONNOR: Objection to the form
12	of the question. You can answer.	12	of the question.
13	A To my knowledge, no.	13	A Yes, I'm aware there was an allegation
14	Q Was the risk of asphyxiation to babies who	14	that it did.
15	were exposed to Johnson's Baby Powder known within	15	Q You said there was allegations about
16	Johnson and Johnson?	16	packaging for the baby powder reassembling a baby
17	MS. O'CONNOR: Objection to the form	17	bottle. What did you mean by that?
18	of the question. You can answer.	18	A I remember I don't remember where it
19	A Like we talked about earlier, normal use	19	came from. I remember it was early. Probably in
20	of the product is fine. It is safe to use.	20	the '80s, but there was an allegation that because
21	We took very seriously we had a	20	
22	responsibilities to address the use, misuse and the	22	of that, babies would grab it. Babies grab
		23	anything.
23 24	abuse of a product.	23	Q Did the allegation originate outside the
25	Q Let me ask the question. Was the risk of	l	company or inside the company?
25	asphyxiation to babies who were exposed to Johnson	25	A Outside the company.
	Page 170		Page 172
1	and Johnson Baby Powder known within Johnson and	1	Q What was done in response to that concern?
2	Johnson?	2	A Well, like any concern that comes in, as I
3	MS. O'CONNOR: Objection to the form	3	said, we take things very seriously and look at
4	of the question. You can answer.	4	this. But knowing the behavior of babies, as I
5	A With the normal use of the product, no.	5	said, they will grab anything.
6	Q You say normal use. What does that mean?	6	We advise parents to keep the baby
7	A Used in a diapering situation, applying it	7	powder and all products out of reach of babies.
8	to the hand and then the body. Not giving it to a	8	Q But it was not unforeseeable that babies
9	child to play with.	9	would grab the bottle of baby powder, correct?
10	Q But you knew that could happen?	10	MS. O'CONNOR: Objection to the form.
11	A We advised against it.	11	Vague, ambiguous, calls for a legal conclusion. You
12	Q But you knew that could happen, correct?	12	can answer.
13	MS. O'CONNOR: Objection to the form	13	A Yes. Babies grabbing things, anything.
14	of the question.	14	That is why we advised parents to keep things out of
15	A Yes, because we know babies grab things.	15	their reach.
16	That's why we addressed the situation.	16	Q I'm going to blow up 402. 402 is an email
17	Q And you actually made the product to look	17	from yourself to a bunch of people.
18	like a bottle, right?	18	MS. O'CONNOR: Is this the entirety
19	MS. O'CONNOR: Objection to the form	19	of the document?
20	of the question.	20	MR. PLACITELLA: As far as I know,
21	A No.	21	yes. We will do a piece at a time, so it is bigger.
22	Q You could have put it in big square box,	22	Q It is from yourself to a bunch of people.
23	but you put made it white and put it in a bottle,	23	There's some new people on this. There's a
24	right?	24	Katherine Rockwell. Who is Katherine Rockwell?
25	MS. O'CONNOR: Objection to the form	25	A I don't remember.

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1	Q Who is the CPC copy approval baby?	1	fair to do this right now. If you want to ask the
2	A That's an internal process.	2	witness
3	Q That's just a group, or something?	3	MR. PLACITELLA: It is only one page.
4	A Yes.	4	That's all I got. One page.
5	Q Then you have Lorena Telofski, Michelle	5	Q My question is, do you recall your
6	Turk, Clayton Paterson. Who is Clayton Paterson?	6	recommendation for a warning on baby powder being
7	A He is the regulatory attorney.	7	not approved? You say Kate, not approved at
8	Q Who is Michelle Turk?	8	this time?
9	A Regulatory.	9	MS. O'CONNOR: Objection to the form.
10	Q Who is Scott Beaudry?	10	Q What happened?
11	A R and D.	11	A What I meant was the way it was presented
12	Q Mary Estocin?	12	to me in the system was not approved. So I'm
13	A Marketing.	13	telling them to make sure that it says the
14	Q And Tammy Jones?	14	following.
15	A I don't remember.	15	Q I'm not sure I understand. You say the
16	Q Your email talks about a warning being put	16	way it came to you, not approved. What does that
17	on Johnson's Baby Powder?	17	mean?
18	MS. O'CONNOR: Objection to the form	18	A The copy approval process was a
19	of the question. You can answer. Really hard to do	19	computerized process. And the graphics would come
20	without the document.	20	to us for approval, the team.
21	A I'm talking about labels on both Johnson's	21	I was referring to the number as
22	Baby Oil and Johnson's Baby Powder.	22	written there, and I was saying that was not
23	Q And on the oil you recommended warning	23	approved and I told them what to put on it.
24	I see. On baby powder you recommended a warning,	24	Q And did that happen?
25	correct?	25	A I'm going to assume so. I don't know.
	Page 174		Page 176
1	MS. O'CONNOR: Objection to the form.	1	Q Didn't you have to run this by the
2	You can answer.	2	lawyers, and what did the lawyers
3	A Yes.	3	A I wouldn't have approved it personally
4	Q And the warning you recommended was, for	4	without them.
5	baby powder, keep powder away from face to avoid	5	Q Who is Lara Kegley?
6	inhalation which could cause breathing problems.	6	A She managed the approval process.
7	Avoid contact with eyes. For external use only.	7	MR. PLACITELLA: I'll make a copy so
8	Close tightly after use.	8	we have it as part of the record.
9	You say all this should have been bold,	9	Q 385 is an email from yourself to David
10	right?	10	Chase, Katherine Martin, forwarding another email,
11	A Correct.	11	correct?
12	Q But that was rejected?	12	A Yes.
13	MS. O'CONNOR: Objection to the form.	13	MS. O'CONNOR: I ask that you not
14	Q According to this it says not approved at	14	question the witness about that and we can take it
15	this time.	15	off line and address it.
16	MS. O'CONNOR: This is why we need	16	MR. PLACITELLA: Bates number is
17	the document. It is unfair to question a witness.	17	2918, et cetera. I won't ask about the highlighted
18	MR. PLACITELLA: I'll email name it	18	section, but we may have to deal with it a different
19	to you, how is that?	19	day.
20	MS. O'CONNOR: We need a hard copy.	20	Q Involved in this process about what
21	MR. PLACITELLA: I'll email it to	21	warnings should go on the product, was yourself and
22	you. You can have it printed out. Sorry. I made a	22	Todd True, correct?
23	mistake. There's a lot of documents.	23	A He is copied on the original.
24 25	MS. O'CONNOR: I understand. I don't work here. We can do this on a break. It is not	24 25	Q You obviously interacted with Todd True on what was appropriate labeling for the baby powder
20	work here. We can up this on a preak. It is not	23	what was appropriate labelling for the baby powder

1	Page 177		Page 179
_	product?	1	Q And they specifically did not copy you,
2	A We were both copied on this memo.	2	correct?
3	1	3	MS. O'CONNOR: Objection to the form.
4	MR. PLACITELLA: I'll say this. I	4	You can answer.
5	can have information to that effect. It is curious	5	A I'm not copied on this, no.
6	that it would be an issue since there are redactions	6	Q Who is Lee Grace?
7	on the document.	7	A I don't remember.
8	MS. O'CONNOR: I understand. I have	8	Q The objection is stated here. We tried
9	the same thought.	9	initially placing the X over the illustrated baby's
10	MR. PLACITELLA: I don't want to get	10	mouth and nose and it was not optimal. It began to
11	in a bad place.	11	look like the baby was participating in an anti
12	MS. O'CONNOR: I understand. I	12	something demonstration or was about to enter some
13	appreciate that.	13	type of nuclear fallout area. That's why we decided
14	MR. PLACITELLA: Although you have	14	to place it on the cheek instead.
15	just knocked out fifteen minutes of my deposition.	15	A I see that.
16	MS. O'CONNOR: You saved all of us.	16	Q Did anybody ever tell you what was going
17		17	on?
18	Q At one point in time you wanted to	18	MS. O'CONNOR: Objection to the form.
19	actually put an X over the baby's nose and mouth on	19	You can answer.
20	the packaging. Do you recall that?	20	A I'm not copied on this, but I had final
21	A Yes.	21	approval for what went on the label.
22	Q That was met with some resistance. Is	22	Q Some people within the organization really
23	that fair?	23	didn't want that X over the baby's mouth. Is that
24	MS. O'CONNOR: Objection to the form.	24	fair?
25	You can answer.	25	A For the reasons stated here. Looks
	Page 178		Page 180
1	A It was open for discussion. There were a	1	like it, yes.
2	lot of things that needed to be on a label and we	2	Q That's May 21, 2009, right?
3	wanted to make sure that we were addressing	3	A That's what it says.
4	everybody we could with a limited amount of space.	~	
-		Δ	·
5		4 5	Q And then the very next day, I gave you
5 6	Q Who is Steven Bramwell?	5	Q And then the very next day, I gave you 392, the very next day is when there was a
6	Q Who is Steven Bramwell?A I don't remember.	5 6	Q And then the very next day, I gave you 392, the very next day is when there was a discussion with the Vice-President, legal, everybody
6 7	Q Who is Steven Bramwell?A I don't remember.Q Diane Brokaw?	5 6 7	Q And then the very next day, I gave you 392, the very next day is when there was a discussion with the Vice-President, legal, everybody else was up there in your division about we don't
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6 7 8 9	 Q Who is Steven Bramwell? A I don't remember. Q Diane Brokaw? A I don't remember her either. Q Pamela Walsh? 	5 6 7 8 9	Q And then the very next day, I gave you 392, the very next day is when there was a discussion with the Vice-President, legal, everybody else was up there in your division about we don't know what the size of the particles are that the baby is going to inhale, right? The very next day.
6 7 8 9 10	 Q Who is Steven Bramwell? A I don't remember. Q Diane Brokaw? A I don't remember her either. Q Pamela Walsh? A Pam Walsh was responsible for the copy 	5 6 7 8 9	Q And then the very next day, I gave you 392, the very next day is when there was a discussion with the Vice-President, legal, everybody else was up there in your division about we don't know what the size of the particles are that the baby is going to inhale, right? The very next day. MS. O'CONNOR: Objection to the form
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	Page 181		Page 183
1	Q Did you know that in certain parts of the	1	the warnings were the same throughout the world as
2	world Johnson and Johnson was warning its own	2	it related to baby powder, correct?
3	employees about the risk of cancer from exposure to	3	A No, because this doesn't pertain to the
4	tale that had asbestos that was used for baby	4	normal use of the product.
5	powder?	5	Q It pertains to the people who were filling
6	MS. O'CONNOR: Objection to the form	6	the product with the baby powder, doesn't it?
7	of the question.	7	MS. O'CONNOR: Objection to the form.
8	A No, we don't believe that there was a	8	A It seems to, yes.
9	danger to develop cancer using Johnson's Baby	9	Q Now, here is 397. 397 starts at the top.
10	Powder.	10	It is an email from Charles Wajszczuk. How do you
11	Q I'll show you 317. 317 is product	11	say that correctly?
12	material safety data sheet for Johnson's Baby Powder	12	A You won't. We never got it right. We
13	Blossom. Do you see that? I believe this was used	13	called him Dr. Charles.
14	actually in Singapore, but came out of something	14	Q Okay, Dr. Charles. An email from Dr.
15	known as a Johnson's Fact Book. Do you know what a	15	Charles to yourself and a number of other people.
16	fact book is?	16	Do you see that?
17	A Yes.	17	A Yes.
18	Q What is a fact book?	18	Q I want to work backwards and understand
19	A A fact book is an R and D document that	19	something. If I go to the last page, there's an
20	has the information on products.	20	email from Kyle Schadler. Do you know who that is?
21	Q In this document, if you go to the Bates	21	A No.
22	number ending 601, the top is entitled Johnson's	22	Q To a Miriam Martinez. Who is Miriam
23	Baby Blossom Powder. Do you see that?	23	Martinez?
24	A Yes.	24	A I don't know.
25	Q Do you see down at the bottom under	25	Q It talks about a consumer who had ovarian
	Page 182		Page 184
1	toxicity and irritation. Under carcinogen, talc	1	cancer in her family and she is asking questions
2	containing asbestiform fibers, see asbestos?	2	cancer in her family and she is asking questions about talc. Is that fair?
2	containing asbestiform fibers, see asbestos? A I see it says that, yes.	2 3	cancer in her family and she is asking questions about talc. Is that fair? A That's what it seems to be, yes.
2 3 4	containing asbestiform fibers, see asbestos? A I see it says that, yes. Q Did you know that people who were involved	2 3 4	cancer in her family and she is asking questions about talc. Is that fair? A That's what it seems to be, yes. Q And on the page above that there's a memo
2 3 4 5	containing asbestiform fibers, see asbestos? A I see it says that, yes. Q Did you know that people who were involved at Johnson's Baby Powder in other parts of the world	2 3 4 5	cancer in her family and she is asking questions about talc. Is that fair? A That's what it seems to be, yes. Q And on the page above that there's a memo from Miriam Martinez to yourself?
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2 3 4 5 6 7	containing asbestiform fibers, see asbestos? A I see it says that, yes. Q Did you know that people who were involved at Johnson's Baby Powder in other parts of the world were being warned about the cancer risk from talc that contained asbestos?	2 3 4 5 6 7	cancer in her family and she is asking questions about talc. Is that fair? A That's what it seems to be, yes. Q And on the page above that there's a memo from Miriam Martinez to yourself? A Where? Q Just go
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A I see it says that, yes. Q Did you know that people who were involved at Johnson's Baby Powder in other parts of the world were being warned about the cancer risk from talc that contained asbestos? MS. O'CONNOR: Objection to the form of the question. A I don't know how to interpret the way this information is given. Underneath it says talc not containing asbestos. One says containing and one says it doesn't. I think I don't know how to interpret this. Q So clearly Johnson and Johnson recognizes if the talc contains asbestos, it could cause	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	cancer in her family and she is asking questions about talc. Is that fair? A That's what it seems to be, yes. Q And on the page above that there's a memo from Miriam Martinez to yourself? A Where? Q Just go A Yes. Q The first is the memo from you and it says, "There's nothing additional to add to this information. The study and analysis of the literature was done on talc, not a specific product. You may want to give her dates of reports and suggest she discuss with her doctor. I do not have readily available copy." What reports and literature are you talking about?
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	containing asbestiform fibers, see asbestos? A I see it says that, yes. Q Did you know that people who were involved at Johnson's Baby Powder in other parts of the world were being warned about the cancer risk from talc that contained asbestos? MS. O'CONNOR: Objection to the form of the question. A I don't know how to interpret the way this information is given. Underneath it says talc not containing asbestos. One says containing and one says it doesn't. I think I don't know how to interpret this. Q So clearly Johnson and Johnson recognizes if the talc contains asbestos, it could cause cancer, right? MS. O'CONNOR: Objection to the form. You can answer. Q That's what it says on there own material safety data sheet.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	cancer in her family and she is asking questions about talc. Is that fair? A That's what it seems to be, yes. Q And on the page above that there's a memo from Miriam Martinez to yourself? A Where? Q Just go A Yes. Q The first is the memo from you and it says, "There's nothing additional to add to this information. The study and analysis of the literature was done on talc, not a specific product. You may want to give her dates of reports and suggest she discuss with her doctor. I do not have readily available copy." What reports and literature are you talking about? A I don't remember. Q Miriam Martinez is who? A I don't know. Q Mark Demu. Do you know who that is? A No.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	containing asbestiform fibers, see asbestos? A I see it says that, yes. Q Did you know that people who were involved at Johnson's Baby Powder in other parts of the world were being warned about the cancer risk from tale that contained asbestos? MS. O'CONNOR: Objection to the form of the question. A I don't know how to interpret the way this information is given. Underneath it says tale not containing asbestos. One says containing and one says it doesn't. I think I don't know how to interpret this. Q So clearly Johnson and Johnson recognizes if the tale contains asbestos, it could cause cancer, right? MS. O'CONNOR: Objection to the form. You can answer. Q That's what it says on there own material safety data sheet. MS. O'CONNOR: Objection. A I don't know how to interpret this.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	cancer in her family and she is asking questions about talc. Is that fair? A That's what it seems to be, yes. Q And on the page above that there's a memo from Miriam Martinez to yourself? A Where? Q Just go A Yes. Q The first is the memo from you and it says, "There's nothing additional to add to this information. The study and analysis of the literature was done on talc, not a specific product. You may want to give her dates of reports and suggest she discuss with her doctor. I do not have readily available copy." What reports and literature are you talking about? A I don't remember. Q Miriam Martinez is who? A I don't know. Q Mark Demu. Do you know who that is? A No. Q The response back is "Nancy, I agree with you. This information can answer any concern
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	containing asbestiform fibers, see asbestos? A I see it says that, yes. Q Did you know that people who were involved at Johnson's Baby Powder in other parts of the world were being warned about the cancer risk from tale that contained asbestos? MS. O'CONNOR: Objection to the form of the question. A I don't know how to interpret the way this information is given. Underneath it says tale not containing asbestos. One says containing and one says it doesn't. I think I don't know how to interpret this. Q So clearly Johnson and Johnson recognizes if the tale contains asbestos, it could cause cancer, right? MS. O'CONNOR: Objection to the form. You can answer. Q That's what it says on there own material safety data sheet. MS. O'CONNOR: Objection. A I don't know how to interpret this. Q This information was never conveyed to you	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	cancer in her family and she is asking questions about talc. Is that fair? A That's what it seems to be, yes. Q And on the page above that there's a memo from Miriam Martinez to yourself? A Where? Q Just go A Yes. Q The first is the memo from you and it says, "There's nothing additional to add to this information. The study and analysis of the literature was done on talc, not a specific product. You may want to give her dates of reports and suggest she discuss with her doctor. I do not have readily available copy." What reports and literature are you talking about? A I don't remember. Q Miriam Martinez is who? A I don't know. Q Mark Demu. Do you know who that is? A No. Q The response back is "Nancy, I agree with you. This information can answer any concern regarding talc and ovarian cancer. However,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	containing asbestiform fibers, see asbestos? A I see it says that, yes. Q Did you know that people who were involved at Johnson's Baby Powder in other parts of the world were being warned about the cancer risk from tale that contained asbestos? MS. O'CONNOR: Objection to the form of the question. A I don't know how to interpret the way this information is given. Underneath it says tale not containing asbestos. One says containing and one says it doesn't. I think I don't know how to interpret this. Q So clearly Johnson and Johnson recognizes if the tale contains asbestos, it could cause cancer, right? MS. O'CONNOR: Objection to the form. You can answer. Q That's what it says on there own material safety data sheet. MS. O'CONNOR: Objection. A I don't know how to interpret this.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	cancer in her family and she is asking questions about talc. Is that fair? A That's what it seems to be, yes. Q And on the page above that there's a memo from Miriam Martinez to yourself? A Where? Q Just go A Yes. Q The first is the memo from you and it says, "There's nothing additional to add to this information. The study and analysis of the literature was done on talc, not a specific product. You may want to give her dates of reports and suggest she discuss with her doctor. I do not have readily available copy." What reports and literature are you talking about? A I don't remember. Q Miriam Martinez is who? A I don't know. Q Mark Demu. Do you know who that is? A No. Q The response back is "Nancy, I agree with you. This information can answer any concern

1	Page 185		Page 187
1	is why talc is still used in this product and was	1	should still be on the market or not?
2	removed from all of the J and J baby products." Do	2	A No.
3	you see that?	3	Q After this issue was raised, and it was
4	A I see that here, yes.	4	the discussed with the medical safety officer
5	Q Then if you go to Bates number 1285, they	5	director, there was no discussion within Johnson and
6	talk about, or you say that you suggest that Dr.	6	Johnson about whether it was time to take the baby
7	Charles, Charlie, that is Dr. Charles?	7	-
8	A Correct.	8	powder with talc off the market? MS. O'CONNOR: Objection to the form
9			· ·
		9	of the question. You can answer it. A No. Not that I know of, no.
10	A Correct.	11	•
11	Q And then we can go to the front page, the		Q Do you know who James Mulieri, MULIERIis?
12	very first page.	12	
13	A On October 5, 2011, you write to a couple	13	A He was part of the call center.
14	of people and you say, "As manager of product safety	14	Q Diana Boghicev, B O G H I C E V?
15	and education, I apologize if this issue has been	15	A No.
16	going around and around and around. I'm not sure	16	Q Sandra Cerrea, C E R R E A?
17	why the call center or Dr. Wajszczuk cannot respond	17	A No.
18	to this consumer writing. However, if Dr. Wajszczuk	18	Q Joseph Greco, G R E C O?
19	feels he cannot answer it," you don't think you	19	A Research and development.
20	should be the one to answer it, right?	20	Q Dawn Miles. Who is that?
21	A Correct.	21	A Marketing.
22	Q That's not your job?	22	Q David Mays?
23	A At that time, 2011, it was not my job to	23	A Director of the Global Scientific and
24	speak directly to consumers.	24	Professional Engagement.
25	Q Whose job was it?	25	Q Vicky Cox Vogt?
	Page 186		Page 188
1	A The call center or the doctor.	1	A R and D.
2	Q The doctor then says to you, "It is not my	2	Q Am I correct that as far as you are aware,
3	job either. That's not a medical question or a	3	the warnings on baby powder never mentioned anything
4	scientific question. That's a business PR	4	about the hazard presented by the product being
5	question." Right?	5	aerosolized in normal application?
6	A That's what he says.	6	MS. O'CONNOR: Objection to the form.
7	Q According to the doctor, the issue about	7	You can answer.
8	whether talcum products should still be on the	8	A No, we didn't use those words. We talked
9	market is not one for him, it is for the business	9	about the safe way to use the product.
10	people, right?	10	Q The warning never talked about peroneal
11	MS. O'CONNOR: Objection to the form.	11	use of the product near the vagina?
12	You can answer the question.	12	A No.
13	A I just know what it says here.	13	Q The warning never said anything about
	Q That's the import of what the doctor says.	14	cancer, correct?
14		15	A Correct.
14 15	He is the senior director, medical safety officer,		
	He is the senior director, medical safety officer, correct?	16	Q Never said anything about asbestos?
15	-		
15 16	correct?	16	Q Never said anything about asbestos?
15 16 17	correct? A That's the title, yes.	16 17	Q Never said anything about asbestos?A Correct.
15 16 17 18	correct? A That's the title, yes. Q He is saying don't ask me, ask the	16 17 18	Q Never said anything about asbestos?A Correct.Q Never said anything about heavy metals?
15 16 17 18 19	correct? A That's the title, yes. Q He is saying don't ask me, ask the business people. I can't answer that question.	16 17 18 19	Q Never said anything about asbestos?A Correct.Q Never said anything about heavy metals?A Correct.
15 16 17 18 19 20	correct? A That's the title, yes. Q He is saying don't ask me, ask the business people. I can't answer that question. MS. O'CONNOR: Objection to the	16 17 18 19 20	 Q Never said anything about asbestos? A Correct. Q Never said anything about heavy metals? A Correct. Q Never said anything about risks to adults?
15 16 17 18 19 20 21	correct? A That's the title, yes. Q He is saying don't ask me, ask the business people. I can't answer that question. MS. O'CONNOR: Objection to the form. You can answer.	16 17 18 19 20 21	 Q Never said anything about asbestos? A Correct. Q Never said anything about heavy metals? A Correct. Q Never said anything about risks to adults? MS. O'CONNOR: Objection to the form.
15 16 17 18 19 20 21 22	correct? A That's the title, yes. Q He is saying don't ask me, ask the business people. I can't answer that question. MS. O'CONNOR: Objection to the form. You can answer. A He didn't feel he was the appropriate	16 17 18 19 20 21 22	Q Never said anything about asbestos? A Correct. Q Never said anything about heavy metals? A Correct. Q Never said anything about risks to adults? MS. O'CONNOR: Objection to the form. You can answer.
15 16 17 18 19 20 21 22 23	correct? A That's the title, yes. Q He is saying don't ask me, ask the business people. I can't answer that question. MS. O'CONNOR: Objection to the form. You can answer. A He didn't feel he was the appropriate person to answer this.	16 17 18 19 20 21 22 23	 Q Never said anything about asbestos? A Correct. Q Never said anything about heavy metals? A Correct. Q Never said anything about risks to adults? MS. O'CONNOR: Objection to the form. You can answer. A Not specifically to adults, no.

	Page 189		Page 191
1	A If used incorrectly, yes.	1	A Yes.
2	Q What is that?	2	Q 11:56 p.m. Really?
3	A It could cause breathing issues.	3	A I'm a night person.
4	MR. PLACITELLA: I think this is a	4	Q It is to a whole bunch of people, right?
5	good place a break.	5	A Yes.
6	THE VIDEOGRAPHER: The time is now	6	Q And it talks about a meeting, the talc
7	4:05 p.m. We are going off the record.	7	meeting that is going to occur on 4-30-01. Do you
8		8	see that?
9	THE VIDEOGRAPHER: The time is now	9	A Yes.
10	4:21 p.m. We are back on the record.	10	Q You attached the latest information
11		11	received from the National Toxicology Project,
12	Q I just want to go back and spend a few	12	correct?
13	minutes on this, since you brought it up. Your role	13	A Yes.
14	for Johnson and Johnson, as it related to the issue	14	Q On the next page, like the fifth
15	with the National Toxicology Project, was what	15	photograph down, I'll blow it up, the statement is
16	specifically?	16	made, "The presence of talc on the list ends years
17	A Probably more of a project manager	17	of controversy. Many people have believed for
18	facilitator.	18	decades that talc powder results in increased cancer
19	Q What does that mean?	19	risk, and studies are confirmed this connection.
20	A Ensuring that the right people were in the	20	Studies have shown increased incidents of alveolar
21	room, that any documents that we discussed that were	21	bronchiolar carcinomas of the lung in female rats.
22	needed would be addressed. That we were all on the	22	Recently published epidemiology studies suggest talc
23	same page, I guess.	23	exposure among pottery workers associated with lung
24	Q Who way the person in charge of making	24	and ovarian cancer in woman." Do you see that?
25	sure that all of the information that would tell the	25	A Yes, I do.
	Page 190		Page 192
1	whole story would be communicated to the federal	1	Q What you state is that, "The latest report
2	government and in the National Toxicology Program?	2	should be a topic of discussion." Correct?
3	MS. O'CONNOR: Objection to the form	3	A That is what I said, yes.
4	of the question.	4	Q "Mike Chudkowski will have some comments
5	Q Who was person at Johnson and Johnson?	5	on this as well as from the perspective from the
6	MS. O'CONNOR: Objection to the form	6	CPFA" Did you have a role as it related to the CPFA
7	of the question. You can answer.	7	within Johnson and Johnson?
8	A That communicator would be Helen Han Hsu,	8	A No. That was toxicology.
9	who was the toxicologist.	9	Q You were totally out of it?
10	Q So she would be the one to make sure all	10	A Yes.
11	of the documents, the good and the bad, were	11	Q It says, "Mike will also give a status on.
12	forwarded to the project, correct?	12	transfer of talc files upon his retirement in June."
13	MS. O'CONNOR: Objection to the form,	13	Do you see that?
14	foundation, vague and ambiguous. You can answer.	14	A Yes.
15	A She was the one who would communicate with	15	Q Do you remember anything about that?
16	whoever, the agency itself, or the different people	16	A No.
17	involved.	17	Q There's another email from you up above
	Q I'm going to hand you 404. 404 starts out	18	and it says that, "Helen has been in contact with
18		1	the CPFA concerning the subject." Correct?
18 19	on the top with memo from yourself dated April 29,	19	
	2001 to Lorena Tolefski. She was the toxicologist?	19	A Yes. That's what it says, yes.
19 20 21	2001 to Lorena Tolefski. She was the toxicologist? A No. Lorena is in R and D.	20 21	A Yes. That's what it says, yes.Q Do you know what the CPFA's role was as it
19 20 21 22	2001 to Lorena Tolefski. She was the toxicologist? A No. Lorena is in R and D. Q R and D. I'm sorry.	20 21 22	A Yes. That's what it says, yes. Q Do you know what the CPFA's role was as it relates to the National Toxicology Program?
19 20 21	2001 to Lorena Tolefski. She was the toxicologist? A No. Lorena is in R and D. Q R and D. I'm sorry. I want to do this in order. So prior	20 21 22 23	A Yes. That's what it says, yes. Q Do you know what the CPFA's role was as it relates to the National Toxicology Program? A I can't say specifically, no.
19 20 21 22 23 24	2001 to Lorena Tolefski. She was the toxicologist? A No. Lorena is in R and D. Q R and D. I'm sorry. I want to do this in order. So prior to your email, there's another email that you wrote	20 21 22 23 24	A Yes. That's what it says, yes. Q Do you know what the CPFA's role was as it relates to the National Toxicology Program? A I can't say specifically, no. Q I'm going to show you 405, which is an
19 20 21 22 23	2001 to Lorena Tolefski. She was the toxicologist? A No. Lorena is in R and D. Q R and D. I'm sorry. I want to do this in order. So prior	20 21 22 23	A Yes. That's what it says, yes. Q Do you know what the CPFA's role was as it relates to the National Toxicology Program? A I can't say specifically, no.

	Page 193		Page 195
1	Richard Zazenski is?	1	Q Was that consistent with your
2	A No.	2	understanding or you don't know?
3	Q And it is to it says here: Richard	3	A I'm not familiar, no.
4	Zazenski is from Luzenac, correct?	4	Q He states on the next page, "In early
5	A That is what it says.	5	2000, NTP listed talc for possible listing in the
6	Q Did you know who Luzenac was?	6	ROC because back in the early 1990s, NTP published
7	A I believe they are a talc supplier.	7	the results of a two year talc inhalation study on
8	Q For Johnson's Baby Powder?	8	rats and mice and concluded that talc caused lung
9	A Yes.	9	tumors in female rats." Were you aware of that?
10	Q The email is sent to Michael Chudkowski in	10	A No.
11	your division, correct?	11	Q Go to the next slide. It says, "Now,
12	A He worked for Consumer Products, yes.	12	realistically, there are some health issues with
13	Q He says, the subject is winning hand. Do	13	talc. For near 20 years epidemiologists have been
14	you see that?	14	finding a weak, but persistent statistical link
15	A That's what it says.	15	between the hygienic use of talc and ovarian
16	Q "Mike, Bill. I'll let me you guys read	16	cancer." Were you aware of that?
17	this for now, but it is for your eyes only until we	17	MS. O'CONNOR: Objection to the form.
18	finalize. It is the winning hand in getting talc	18	You can answer.
19	without asbestos dismissed from the NTP nonsense.	19	A There's been a hypothesis that there was a
20	For now, I'll graciously accept one hundred percent	20	lin, yes.
21	of the credit finding CRE, convincing them to get	21	Q No. "A week, but persistent statistical
22	involved and developing the Fatal Flaw Strategy	22	link." Were you aware of that?
23	single handedly saving the tale business from	23	A No.
24	certain ruin." Do you see that?	24	MS. O'CONNOR: Objection to the form.
25	A That's what it says.	25	A Not in those words, no.
	A That's what it says.		71 Not in those words, no.
	Page 194		Page 196
1	Q Do you know what the CRE is?	1	Q If you go to page 5, it states at the top
2	A No.	2	that, "Talc and asbestos are similar." Were you
3	Q Do you know what the Fatal Flaw Strategy	3	aware that that was communicated? Let me read the
4	is?	4	whole thing.
5	A No.	5	"Finally, there's a long held public
6	A I have a document I gave you that was	6	perception that all talc contains asbestos, and even
7	marked LUZ-1 and it is a narrative from the Talc NTP	7	if it doesn't, they are so similar chemically that
8	Regulatory Challenge, and it starts out by, "Good	8	talc probably behaves like asbestos." Are you aware
9	morning everyone. My name is Steve Jarvis." Do you	9	that was the position or opinions of your talc
10	know who Steve Jarvis is?	10	supplier?
± 0		1 1 1	ARG OLGONDIOD OLI II II II
11	A No.	11	MS. O'CONNOR: Objection to the
	A No.Q I'm going to ask you some questions about	12	MS. O'CONNOR: Objection to the form.
11			· ·
11 12	Q I'm going to ask you some questions about	12	form.
11 12 13	Q I'm going to ask you some questions about what is mention here and see if you know anything.	12 13	form. A No. He is talking about a public
11 12 13 14	Q I'm going to ask you some questions about what is mention here and see if you know anything. On page two he states, "You might be	12 13 14	form. A No. He is talking about a public perception, not his.
11 12 13 14 15	Q I'm going to ask you some questions about what is mention here and see if you know anything. On page two he states, "You might be interested to know that we produce all the baby	12 13 14 15	form. A No. He is talking about a public perception, not his. Q On slide 5 it says, "But then in
11 12 13 14 15 16	Q I'm going to ask you some questions about what is mention here and see if you know anything. On page two he states, "You might be interested to know that we produce all the baby powder for Johnson and Johnson, including the talc	12 13 14 15 16	form. A No. He is talking about a public perception, not his. Q On slide 5 it says, "But then in October 2000, NTP issues their draft report on talc
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11 12 13 14 15 16 17 18 19 20	Q I'm going to ask you some questions about what is mention here and see if you know anything. On page two he states, "You might be interested to know that we produce all the baby powder for Johnson and Johnson, including the talc for their popular adult product Shower to Shower." Did you know that? A I knew they were a supplier, yes. Q He goes on to say, "In slide 2, the NTP	12 13 14 15 16 17 18 19 20	form. A No. He is talking about a public perception, not his. Q On slide 5 it says, "But then in October 2000, NTP issues their draft report on talc and announces that the first two formal reviews resulted in votes to list talc as a carcinogen. The combined vote was 13 to 2 to list." Were you aware of that?
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11 12 13 14 15 16 17 18 19 20 21 22	Q I'm going to ask you some questions about what is mention here and see if you know anything. On page two he states, "You might be interested to know that we produce all the baby powder for Johnson and Johnson, including the tale for their popular adult product Shower to Shower." Did you know that? A I knew they were a supplier, yes. Q He goes on to say, "In slide 2, the NTP was authorized by the Unites States Congress to coordinate interagency toxicological testing and to	12 13 14 15 16 17 18 19 20 21 22	form. A No. He is talking about a public perception, not his. Q On slide 5 it says, "But then in October 2000, NTP issues their draft report on talc and announces that the first two formal reviews resulted in votes to list talc as a carcinogen. The combined vote was 13 to 2 to list." Were you aware of that? A I was aware of a recommendation. I don't remember the numbers.
11 12 13 14 15 16 17 18 19 20 21 22 23	Q I'm going to ask you some questions about what is mention here and see if you know anything. On page two he states, "You might be interested to know that we produce all the baby powder for Johnson and Johnson, including the talc for their popular adult product Shower to Shower." Did you know that? A I knew they were a supplier, yes. Q He goes on to say, "In slide 2, the NTP was authorized by the Unites States Congress to coordinate interagency toxicological testing and to publish the formal report on carcinogens, which comes	12 13 14 15 16 17 18 19 20 21 22 23	form. A No. He is talking about a public perception, not his. Q On slide 5 it says, "But then in October 2000, NTP issues their draft report on talc and announces that the first two formal reviews resulted in votes to list talc as a carcinogen. The combined vote was 13 to 2 to list." Were you aware of that? A I was aware of a recommendation. I don't remember the numbers. Q You didn't know 13 to 2 was the

Page 197 Page 199 1 Q Go to page 7. At the bottom it talks 1 all of the epidemiology studies they previously used 2 about a public meeting and in December the BSC, if 2 must be declared invalid for use in assessing talc 3 3 you go to the next page, the subcommittee voted 7 to not containing asbestos. This will be an expansion 3 not to list the talc. Do you see that? 4 of the Fatal Flaw Defense Luzenac employed in the 4 5 5 first review on talc." Do you see that? A Yes. 6 Q Then he states, "And make no mistake about 6 A Yes, I see that. 7 7 it, they knew if they proceeded with a listing, Q Did you have any understanding that the 8 8 nomination for talc Luzenac America was going to defense, the Fatal Flaw Defense that was 9 challenge them in court." Did you know that? 9 communicated by Luzenac to Johnson and Johnson, was A No. 10 10 that the talc did not contain asbestos? 11 Q If then it talks about what their 11 MS. O'CONNOR: Objection to the form 12 12 successful strategy was. On slide 6 he says, "Our of the question. You can answers. 13 A I was not familiar with the Fatal Flaw successful defense strategy was three fold. First, 13 14 to continue to work through the auspices of the 14 Defense. 15 CPFA, the Washington based trade association for the 15 Q So you were not familiar with the fact 16 cosmetics industry. As you might imaging Luzenac 16 that are the whole premise before the National and Johnson and Johnson wield considerable influence 17 Toxicology Project, or one of the premises in not 17 on the talc subcommittee." Were you aware of that? 18 18 having talc declared a carcinogen was the 19 A No. 19 representations that were made that the talc that 20 Q Then he says, "Secondly, and this was our 20 was used in baby powder never contained asbestos. secret weapon. Engage the services of a Washington You didn't know that? 21 21 Based Center for Regulatory Effectiveness, the CRE." 22 MS. O'CONNOR: Objection to the form 22 23 Do you see that? 23 of the question. Compound, vague and ambiguous. 24 A Yes. 24 You may answer. 25 Q Does that refresh your recollection as to 25 A Could you rephrase the question? Page 198 Page 200 who the CRE was? 1 Q Did you know that one of the ways that 1 2 A I see what it stands for. 2 Johnson and Johnson and Luzenac were fighting the 3 Q Did you know that they were secretly 3 talc issue before the National Toxicology Project engaged in order to fight talc and cancer before the 4 was by taking the position that the talc used in 4 5 5 National Toxicology Project? Johnson's Baby Powder never contained asbestos? 6 MS. O'CONNOR: Objection to the form. 6 MS. O'CONNOR: Same objections. You 7 7 You can answer. may answer. A I don't know they were secretly engaged. 8 8 A I know there were discussions about 9 Q Do you know whether they eve -- I'm 9 industrial type of talc and cosmetic talc, and the 10 assuming you don't know that they never disclosed 10 efforts were to concentrate on cosmetic talc, which who they were representing before the national is found in Johnson's Baby Powder. 11 11 Toxicology Project? 12 12 Q My question to you was, did you know that A I don't know that. 13 one of the primary bases for battling the issue of 13 14 Q He states at the bottom, "We send emails, 14 talc before the National Toxicology Project was the faxes, overnight letters and even telephone calls to 15 position asserted that there was never any evidence 15 keep players in the battle right up until the hours 16 16 of asbestos in the talc used in Johnson's Baby 17 before the final executive committee meeting." Did 17 Powder? you know that? 18 MS. O'CONNOR: Objection to the form 18 19 19 A No. of the question. 20 Q Do you know what role Johnson and Johnson 20 Q I'm just asking if you know. It is not 21 played in that effort? 21 for a fight. A No. 22 22 MS. O'CONNOR: It is a hard question 23 Q He talks about on the next page. "One of 23 to follow. You can answer. the issues we plan to focus on is demonstrating to 24 24 A Well, the basis was that there's no 25 the NTP, National Toxicology Project, that virtually 25 asbestos in the talc used in Johnson's Baby Powder.

	Page 201		Page 203
1	Q So you knew that's what was being asserted	1	Musco-4.)
2	before the National Toxicology Project?	2	11240000 11)
3	A The question about the NTP was whether it	3	Q We mentioned a lot of names during the
4	was a carcinogen. That's what the discussions were.	4	course of the deposition. I asked Leah, as we were
5	Q Did you know Johnson and Johnson, or do	5	going through, to write down the name and what the
6	you know whether or not Johnson and Johnson took the	6	person did, so if anybody reads this transcript they
7	position before the National Toxicology Project that	7	can try to make sense of what is here.
8	there was never any evidence of asbestos in the talc	8	Would you take a minute and look at
9	used in Johnson's Baby Powder?	9	that and see if there are any corrections that need
10	A The position was that the cosmetic talc	10	to be made.
11	used in Johnson's Baby Powder was not a carcinogen.	11	MS. O'CONNOR: To the best of your
12	Q You knew that was what was being related	12	recollection.
13	to the National Toxicology Project?	13	MR. PLACITELLA: Right.
14	A Yes.	14	A I made some changes.
15	Q Okay. If that turned out to be wrong,	15	Q Are you satisfied that that is accurate?
16	then the entire premise for what was communicated to	16	A To the best of my knowledge, yes.
17	the federal government would be false, correct?	17	Q I don't think I have any other questions.
18	MS. O'CONNOR: Objection to the form	18	Thank you for your time.
19	of the question.	19	I do apologize. I was told by
20	Q Is that correct?	20	counsel I got frisky at one point. Italians have a
21	A We presented evidence, suppliers presented	21	hard time with that.
22	evidence, experts presented evidence. We did not	22	THE VIDEOGRAPHER: The time is now
23	feel that the products was a carcinogen.	23	5:00 p.m. We are back on the record.
24	Q What evidence did you provide to the	24	•
25	National Toxicology Project proving that there was	25	
			Page 204
1	-	1	CROSS EXAMINATION BY MS, O'CONNOR:
1	never asbestos in the talc used in Johnson's Baby Powder?	1 2	
2	A What the question was, was whether or not	3	Q Good afternoon, Ms. Musco, we know each other. I'm Kathy O'Connor and I would like to ask
4	tale was a carcinogen. That's what all the	4	you a few questions.
5	discussions were about.	5	So we have been here for a while, but
6	Q My question is different. What evidence	6	I would like to know a little bit more about you and
7	did you, Johnson and Johnson, present to the	7	your background. Where did you grow up?
8	National Toxicology Project concerning whether there	8	A I grew up in New Jersey.
9	was asbestos ever found in the talc used in	9	Q Where in New Jersey grow up?
10	Johnson's Baby Powder, if you know?	10	A Bergen County, North Arlington.
11	MS. O'CONNOR: Objection to the form	11	Q Did you go to high School?
12	of the question. Over broad.	12	A Yes, Queen of Peace on North Arlington.
13	A No. Everything concentrated on whether or	13	Q Let's do that again. Where did you go to
14	not talc was a carcinogen and that was the evidence	14	high school?
15	that was presented. I don't know any specifics.	15	A Queen of Peace High School in North
16	Q As you sit here today you don't know what	16	Arlington.
17	evidence was provided or not provided to the	17	Q Did you work or volunteer when you were in
18	National Toxicology Project concerning whether there	18	high school?
19	was asbestos in Johnson's Baby Powder at any point	19	A Yes. I was a candy striper pretty much in
20	in time. Is that fair?	20	my second year of high school all the way through.
21	A I don't know specific studies presented,	21	Q What is a candy striper? I know what
22	no.	22	those are, but not everyone does.
23	MR. PLACITELLA: Mark this as	23	A A candy striper is a volunteer in a
24	Musco-4.	24	hospital. It got their name from the striped
			=
25	(The above document is marked	25	pinafore we used to wear.

Page 205 Page 207 1 1 not a burn new unit at the time, but there was going These are volunteers who assist with 2 2 giving patient mail, giving out visiting cards, et to be one. So I wanted to be able to be in the 3 cetera, in a hospital. 3 hospital. 4 Q Why did you volunteer as a candy striper? I first worked in orthopedics and 4 5 5 A Because I wanted to be a nurse. I then I worked in cardiac care. After a little while 6 couldn't wait to get in the hospital. 6 we were able to start our intensive training and I 7 Q Why did you want to be a nurse? 7 was one of the first, or one of the ten first nurses 8 8 A I wanted to be a nurse ever since I was to open the burn unit. 9 about three years old. A friend had given us, or 9 Q What were your responsibilities as a nurse 10 given me a nurse's uniform complete with cape and 10 in the burn unit? 11 cap. I thought it was the greatest thing in the 11 A Everything and anything. We were 12 world. I wanted to be the one who knew what to do 12 responsible pretty much one on one to the patients 13 for their entire care, physical and emotional, in an emergency. 13 14 Q Did you graduate high school and go on to 14 educational. 15 study nursing? 15 There was a lot to be done because 16 A Yes. I graduated high school and I went 16 the patients were with us for an average of probably to the University of Bridgeport in Connecticut. 17 two months. So we not only had to care for them 17 18 Q Did you major in nursing? 18 in during the intensive period, but we had to 19 A I majored in nursing. 19 prepare them to go home, educate their families. Q Did you work while you were in college? 20 I started the burn clinic in an 20 educational program. Sometimes we will go out to 21 A Yes. I worked as an LPN, a licensed the 21 22 different groups in the area. If a child had been 22 practical nurse. At that time after a year, year and a half of nursing study you could take your 23 burned, sometimes I went to their school and taught 23 24 24 practical nurse test, which I did, and I passed. his or her classmates what to expect when the child 25 So I was able to work in the summers 25 came back. A lot of teaching involved. Page 206 Page 208 1 1 Q When you said you participated in as a licensed practical nurse. I worked in 2 Riverview Hospital in Red Bank. Them I also worked 2 education, was it just the patient, did it involve 3 in Hackensack Hospital in Hackensack, New Jersey. 3 the family? 4 Q What types of patients did you work with 4 A The entire process. Again, because the 5 5 while you were an LPN in college? patients were with us so long, and it was such a 6 A I took care of a myriad of different 6 catastrophic trauma that happened to them, their 7 patients. What really stuck out in my mind was in 7 entire family was involved and affected. 8 8 Hackensack there was an explosion nearby and the So we were educating both the 9 hospital received a lot of burn victims. 9 patients themselves and the family and the care of 10 They were looking for volunteers to 10 the patient and what to expect. 11 help take care of them. So I was interested. This 11 Q For how long were you a burn unit nurse? will be interesting. I volunteered to take care of 12 A About seven years all together. 12 13 one of the patients. 13 Q At some point you stopped being a burn 14 Q What did you find interesting about 14 unit nurse. Why did you do that? 15 working with burn patients? 15 A It is a lot to do emotionally. Q What does that mean? A It was the ultimate challenge for me. 16 16 17 That actually sparked my interest in nursing. I 17 A I think it is one of the worse things that 18 knew that's what I wanted to do because it involved 18 can happen to a human being because it involves not 19 the entire body, every system, everything could go 19 only the physical trauma, but the emotional trauma 20 wrong. 20 because it reflects how they look to the world, and 21 Q Did you go on to become a nurse in a burn 21 with the one on one, we as nurses, bore a lot of 22 unit? 22 those emotions for the patients. 23 A Yes. After I graduated and passed my 23 We had to hurt them in order to make registered nurse license, I went to St. Barnabas them better, and that's not something you can do 24 24 25 Medical Center in Livingston, New Jersey. There was 25 easily day after day. It was time for me to change.

Page 209 Page 211 1 Q Time for you to change. What did you 1 responsible for seven counties in New Jersey, Central New Jersey. You can imagine it is a wide 2 2 decide to do? 3 A Well, because I thought working in the 3 spread area. burn unit to me was the ultimate in patient care in 4 4 We get them from a lot of domestic 5 5 a hospital, I decided to look outside. violence centers, we get them from the county 6 I enjoyed the teaching part so much. 6 unemployment and we also get them from homeless 7 I liked teaching my patients. I wanted to continued 7 8 8 that in some form or another. Q What kind of work do you do with them? 9 9 A Helping them find their goals, where they Q Did you continue to teach people in some 10 form after you left the burn unit? 10 need to go in life, helping them identify their 11 A Yes. I was lucky enough to earn a 11 journey and what they would like to accomplish so position at Johnson and Johnson, Johnsn's Baby 12 12 they could get meaningful employment. Products at the time, where I was responsible for 13 13 O How do you help them identify their goals? 14 speaking to consumers, which were mainly new 14 A One of the biggest things I do is I lead a 15 parents. 15 program called Designing Your Future, which is a 16 I not only talked to them about the 16 nine week program where we meet weekly. We start 17 products, but got to talk to them about how to care off with goals and objective and we discuss 17 18 for their there babies? 18 emotional intelligence, healthy living as well as 19 Q What made you choose Johnson and Johnson? 19 resumes and interviewing. 20 A From New Jersey, and Johnson and Johnson 20 Q Do any of your clients go on to work in is one of the most respected companies in the world, 21 21 nursing? and certainly in our area. In fact, to be honest, I 22 22 A Yes. As a matter of fact, I recently had 23 didn't even first look at Johnson and Johnson 23 a client and one of the things I was asking the 24 24 first day is if they could be anything they wanted because I thought they were too special and maybe 25 they wouldn't hire me, but it definitely is one 25 to be, never mind money, education, location, or Page 210 Page 212 1 1 of the best. whatever, what would they be. 2 My brother had worked there. I just 2 Sometimes I get some crazy things. 3 knew it was one of the best companies to work with. 3 This one particular woman said she wanted to be a Q How long did you work at Johnson and 4 nurse. I said I'm a nurse. We will have to talk. 4 5 5 Johnson? She said to me actually, I want to be 6 A Thirty years. 6 a burn nurse. I situated that's pretty specific. 7 Q When did you leave? 7 Q Did she know you were a burn nurse?. 8 8 A She didn't even know I was a nurse was a Α 2012. 9 Q Why did you leave? 9 pretty specific thing to say. I said we have to 10 A We were downsizing, departments were 10 talk. changing and I'm now officially retired. 11 11 I went up to her on a break. We Q So now that you are officially retired, started talking. I'm going to get the chills every 12 12 what do you do to fill your days? 13 time I talk about this. It turns out when she was 13 14 A I work for Dress for Success in Central 14 three years old she had been severely burned by New Jersey. I'm a program manager. 15 accidently pulling a pot of boiling water over on 15 Q And what does a program manager do? herself. Her parents were not paying attention to 16 16 17 A Well, Dress for Success not only provides 17 her. She had a rough life. 18 clothes for people, but we provide a network of 18 She was severely burned and she was 19 support and job development and life skill workshops 19 taken to St. Barnabas. When I told her what I did, 20 for woman who are unemployed. I'm the one who 20 she started crying, I started crying. She said she 21 designs and facilitates the workshops. 21 has been looking to thank the nurses who saved her 22 Q How do you get your clients at Dress for 22 life. Quite a story. I went on to mentor her. We 23 Success? Where do they come from? 23 worked very close. A All our clients are referred to us from 24 24 She now has her high school diploma 25 the many social agencies in the area. We are 25 She didn't at the time. She got out of her domestic

	Page 213		Page 215
1	violence situation and in January she starts her	1	people trusted. Is that fair?
2	nursing course.	2	A Yes.
3	Q That's a remarkable story. Do you have	3	Q You were one of those kinds of people?
4	children of your own?	4	A I hope so.
5	A Two children, a boy and a girl. They are	5	Q When they had you go out and speak to
6	all grown now.	6	people, they kind of knew that about you, that you
7	Q Mr. Placitella asked you a lot of	7	were one of those people that people kind of liked
8	questions about the safety of Johnson's Baby Powder	8	and would trust if they told them something about
9	with talc. Did you ever use Johnson's Baby powder	9	the product. Is that fair?
10	with talc in your house?	10	MS. O'CONNOR: Objection to the form.
11	A I used it on both my children. I even	11	You can answer.
12	used it on my elderly mother and from time to time	12	A Again, I hope people do trust me, yes.
13	used it on myself.	13	Q So if you were given information about the
14	Q Do you still believe in the safety of	14	product, the information that you are providing is
15	Johnson's Baby Powder with talc?	15	only as good as the information that had been
16	A Absolutely. We use Johnson's Baby Powder	16	provided to you, correct?
17	with talc. It's safe.	17	A Yes. From our scientists I believe and
18	Q Thank you for your time.	18	trust their expertise, yes.
19	THE VIDEOGRAPHER: The time is now	19	Q And while you were there, even though you
20	5:12 p.m. We are off the record.	20	were in charge of communicating with the public
21	THE VIDEOGRAPHER: The time is now	21	about Johnson and Johnson's Baby Powder, no one ever
22	5:13 p.m. We are back on the record.	22	told you about any of the tests where they found
23		23	asbestos in the mines that were the source of
24		24	Johnson' Baby Powder, correct?
25		25	MS. O'CONNOR: Objection to the form
	Page 214		Page 216
1	REDIRECT EXAMINATION BY MR. PLACITELLA:	1	of the question. You can answer.
2	Q A couple of questions. One, thank you for	2	A What I do know is there's no asbestos in
3	your kindness.	3	Johnson's Baby Powder.
4	A You're welcome.	4	Q That wasn't my question, Ma'am, with all
5	Q I'm assuming that your kids and your mon	5	due respect. When you were making the statements,
_	• g , , ,	1	due respect. When you were making the statements,
6	are all healthy and they don't suffer any ill	6	no one at Johnson and Johnson ever told you anything
-		6 7	
6	are all healthy and they don't suffer any ill		no one at Johnson and Johnson ever told you anything
6 7	are all healthy and they don't suffer any ill effects at this point?	7	no one at Johnson and Johnson ever told you anything about any of the tests where asbestos was found in
6 7 8	are all healthy and they don't suffer any ill effects at this point? A My children are very healthy. My mother	7 8	no one at Johnson and Johnson ever told you anything about any of the tests where asbestos was found in the mines that were the source of the Johnson's Baby
6 7 8 9	are all healthy and they don't suffer any ill effects at this point? A My children are very healthy. My mother is deceased now. She died when she was 99.	7 8 9	no one at Johnson and Johnson ever told you anything about any of the tests where asbestos was found in the mines that were the source of the Johnson's Baby Powder, correct? MS. O'CONNOR: Objection to the form. You can answer.
6 7 8 9	are all healthy and they don't suffer any ill effects at this point? A My children are very healthy. My mother is deceased now. She died when she was 99. Q Oh, great. So you've got good genes. You tried to do the best job you could when you were at Johnson and Johnson. Is that fair?	7 8 9 10 11 12	no one at Johnson and Johnson ever told you anything about any of the tests where asbestos was found in the mines that were the source of the Johnson's Baby Powder, correct? MS. O'CONNOR: Objection to the form. You can answer. A I'm not familiar with any of those tests.
6 7 8 9 10	are all healthy and they don't suffer any ill effects at this point? A My children are very healthy. My mother is deceased now. She died when she was 99. Q Oh, great. So you've got good genes. You tried to do the best job you could when you were at	7 8 9 10 11	no one at Johnson and Johnson ever told you anything about any of the tests where asbestos was found in the mines that were the source of the Johnson's Baby Powder, correct? MS. O'CONNOR: Objection to the form. You can answer. A I'm not familiar with any of those tests. Q No one ever told you?
6 7 8 9 10 11 12	are all healthy and they don't suffer any ill effects at this point? A My children are very healthy. My mother is deceased now. She died when she was 99. Q Oh, great. So you've got good genes. You tried to do the best job you could when you were at Johnson and Johnson. Is that fair? A Absolutely. Q And because you were the person dealing	7 8 9 10 11 12 13 14	no one at Johnson and Johnson ever told you anything about any of the tests where asbestos was found in the mines that were the source of the Johnson's Baby Powder, correct? MS. O'CONNOR: Objection to the form. You can answer. A I'm not familiar with any of those tests. Q No one ever told you? MS. O'CONNOR: Objection.
6 7 8 9 10 11 12 13	are all healthy and they don't suffer any ill effects at this point? A My children are very healthy. My mother is deceased now. She died when she was 99. Q Oh, great. So you've got good genes. You tried to do the best job you could when you were at Johnson and Johnson. Is that fair? A Absolutely. Q And because you were the person dealing with the public, your ability to do your job	7 8 9 10 11 12 13 14 15	no one at Johnson and Johnson ever told you anything about any of the tests where asbestos was found in the mines that were the source of the Johnson's Baby Powder, correct? MS. O'CONNOR: Objection to the form. You can answer. A I'm not familiar with any of those tests. Q No one ever told you? MS. O'CONNOR: Objection. A I'm not familiar.
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6 7 8 9 10 11 12 13 14	are all healthy and they don't suffer any ill effects at this point? A My children are very healthy. My mother is deceased now. She died when she was 99. Q Oh, great. So you've got good genes. You tried to do the best job you could when you were at Johnson and Johnson. Is that fair? A Absolutely. Q And because you were the person dealing with the public, your ability to do your job correctly and appropriately was only as good as the information that you were provided about the	7 8 9 10 11 12 13 14 15	no one at Johnson and Johnson ever told you anything about any of the tests where asbestos was found in the mines that were the source of the Johnson's Baby Powder, correct? MS. O'CONNOR: Objection to the form. You can answer. A I'm not familiar with any of those tests. Q No one ever told you? MS. O'CONNOR: Objection. A I'm not familiar. Q And can you put your plant on that black book right there. And no one ever told you about
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	Page 217		Page 219
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1	MS. O'CONNOR: Objection to the form.	1	are going off the record.
2	A Yes, that is correct.	2	(The deposition is concluded.)
3	Q Johnson and Johnson trusted you. Is that	3	
4	fair?	4	
5	A I would like to think that, yes.	5	
6	Q And you trusted Johnson and Johnson?	6	
7	A Absolutely.	7	
8	Q And you tried to convince people to trust	8	
9	Johnson and Johnson?	9	
10	MS. O'CONNOR: Objection to the form.	10	
11	You may answer.	11	
12	A I trusted the company and tried to convey	12	
	± • • • • • • • • • • • • • • • • • • •	13	
13	their trust, yes.	1	
14	Q And whether that trust was justified or	14	
15	not only goes so far as to whether the information	15	
16	that you were provided was true and accurate in all	16	
17	respects, correct?	17	
18	A I believe that trust was deserved.	18	
19	Q It only went so far as the	19	
20	information you were providing was true, complete	20	
21	and accurate in all respects, correct?	21	
22	MS. O'CONNOR: Objection to the form.	22	
23	A Trust is based on information, but it is	23	
24	also based on reputation. It is a company made up	24	
25	of people.	25	
20	or people.		
	D 010		
	Page 218		Page 220
1		1	
1	Q And there are very good people at Johnson	1 2	Page 220 CERTIFICATE
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The Journal of Obstetrics and Gynaecology of the British Commonwealth March 1971, Vol. 78. pp. 266-272.

TALC AND CARCINOMA OF THE OVARY AND CERVIX

BY

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AND

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Summary

An extraction-replication technique was used to examine tissue from patients with ovarian and cervical tumours. In both conditions talc particles were found deeply embedded within the tumour tissue. The close association of talc to the asbestos group of minerals is of interest.

THE development in this laboratory of an extraction-replication technique (Henderson, 1969) for the study of foreign particles within tissues has allowed the *in situ* identification of crocidolite asbestos within the tissue of various mesotheliomas (Henderson et al., 1969) removed from patients who had been concerned with the manipulation of asbestos in industry. This technique has now been applied to the study of tissue from ovarian and cervical carcinoma.

MATERIALS AND METHODS

Tissue

The tissue studied was obtained from patients with cancer of either the ovary or the cervix, and was first prepared as paraffin sections for normal routine histological examination but was unstained. Sections were then stained for histological assessment in the usual manner, and adjacent unstained tissue prepared for electron microscopy.

Replication Technique

The extraction-replication procedure has been described (Henderson, 1969). Sections of tissue were immersed in xylene and in ethanol, and the dehydrated tissue was then embedded by

impressing the section on to the surface of a thin sheet of acetone-softened cellulose acetate, mounted on a glass slide, and left to harden. On removing the slide, the embedded tissue was left in the cellulose acetate. The tissue was then outlined with thin strips of Scotch tape to form a shallow well, and a 10 per cent (v/v) polyvinyl alcohol (PVA) solution applied. When the PVA had hardened it was stripped from the section providing a replica of the tissue surface. Foreign particles associated with the tissue are often removed with the PVA during this stripping process.

A complete sequential examination through the embedded tissue is possible by taking successive strippings. These surface replicas were then preshadowed with platinum, a carbon film deposited for strength, and the PVA removed by floating the replica in a hot water bath. Replicas were mounted on electron microscope grids for examination, using the AEI-6B microscope.

RESULTS

No asbestos particles were found in any of the tissue studied. Particles of talc were identified in approximately 75 per cent (10 of 13) of the

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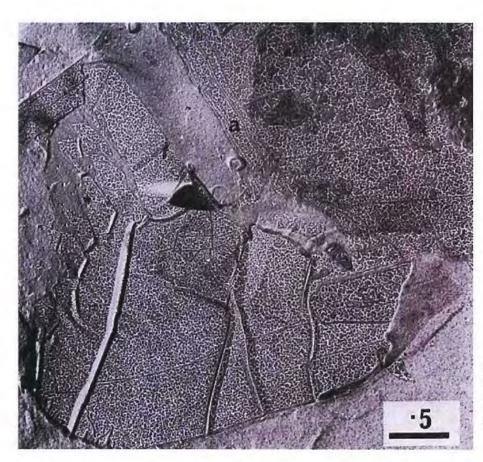


Fig. 1

Typical decoration pattern on a particle of natural talc. Numerous crystal lattice planes are shown (a). (\times 30 000.)

Scale refers to 1·0 μ .

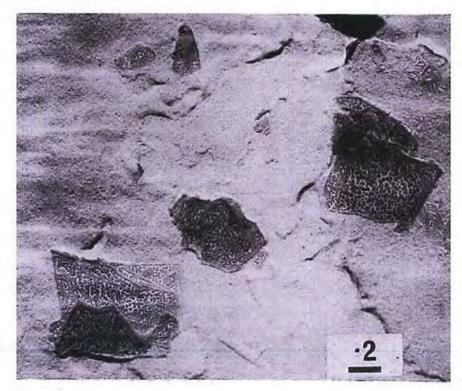


Fig. 2
Commercial talc preparations illustrating the decoration pattern. (×40 000.)

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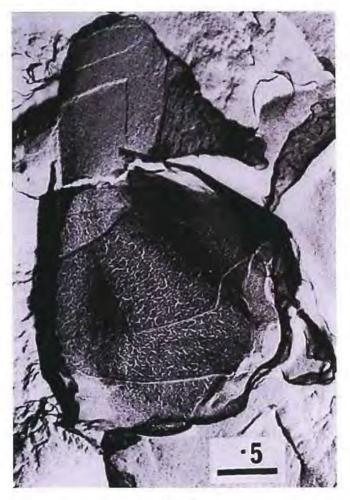


Fig. 3

Micrograph of tissue from a serous papillary cystadeno-carcinoma of the ovary removed from a 27-year-old female. No previous abdominal operations had been carried out. The decoration pattern and lattice planes are shown. (×30 000.)

ovarian tumours. Using the replication technique identification of tale is possible because of the characteristic "decoration pattern" induced by the evaporation of platinum in vacuo on the crystal surface. Figure 1 shows this pattern on a particle of natural tale and the distinctive lattice planes of the crystals. Anthophyllite asbestos, which is known to be converted naturally to tale, is the only crystalline material which is at present indistinguishable from tale by using the replication technique. The decoration pattern on material from a commercial tale preparation is also demonstrated in Figure 2.

Material found within the ovarian tumours

and identified as talc is illustrated in Figure 3. The talc particles were found deep within the tumour tissue. Some were as small as 1000Å in size but they were generally within a range from 1000\AA to 2μ .

Talc particles were also found embedded within tumours of the cervix. Figure 4 shows one such particle embedded in a capillary wall within the tumour, and Figure 5 illustrates the decoration pattern of the particle at a higher magnification. Crystals as large as 5 μ . were found in tissue from the cervical tumours and were generally larger than those seen in the ovarian tumours. Talc crystals were found in

TALC AND CARCINOMA OF THE OVARY AND CERVIX 269

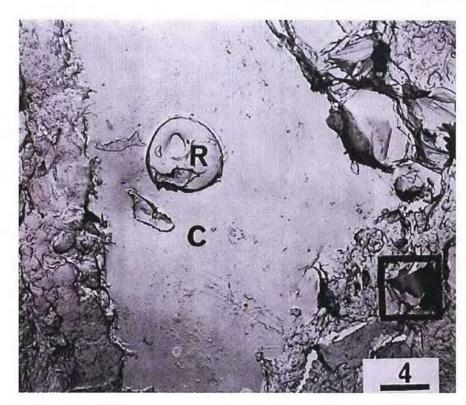


Fig. 4
Micrograph of tissue from a squamous-cell carcinoma of the cervix from a 62-year-old female. C—capillary, R—red cell. The particle of talc can be seen in the wall of the capillary. (×3500.)



Fig. 5

A higher magnification of the tale particles outlined in Fig. 4. The typical decoration pattern is shown. (×40 000.)

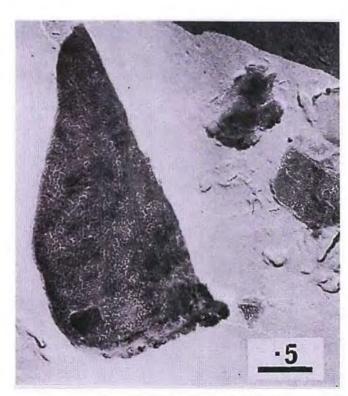


Fig. 6
Talc particles found in tissue from a pneumo-coniotic lung. (×30 000.)

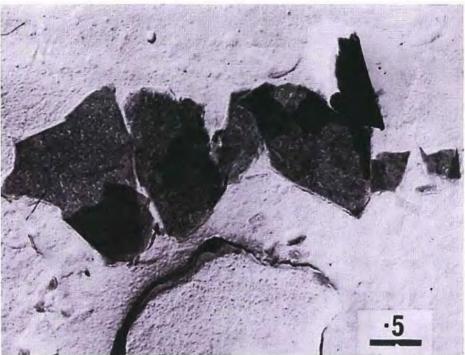


Fig. 7

Micrograph from the deepest part of an extensive papillary adenocarcinoma entirely replacing the endometrium in a 58-year-old woman, 8 years postmenopausal. Both ovaries were enlarged by hilar metastases, showing histological features similar to the primary endometrial lesion. Numerous tale particles were found in the primary endometrial carcinoma, but none in the metastatic ovarian tumours. (×26 000.)

approximately 50 per cent of the cervical tumours examined (12 of 21) but it must be realized that these particles are extremely minute, often with the dimensions of viruses, and only small regions of the tumour tissue could be studied. Approximately ten replication "strippings" for electron-microscope examination are usually taken from each thin section of the tissue. Figure 6 illustrates the use of the technique in the examination of pneumoconiotic lung tissue from a patient whose industrial history indicated long exposure to Norwegian talc.

Many particles of talc were found concentrated in the deeper layers of a primary carcinoma of the endometrium (Fig. 7) whereas extensive studies of a secondary tumour in the ovary in the same patient did not show the presence of talc. Application of the technique to "normal" ovarian tissue removed from patients with breast cancer has also shown talc particles in 5 of 12 such tissues studied. Extensive study at high magnification with the electron microscope is, however, required for evaluation of a replica and particles could easily be missed.

The application of electron-microscope microanalysis (EMMA-AEI, Harlow, England) to the particles extracted by the replication technique has provided preliminary evidence that the crystals contain magnesium and silicon, talc being a magnesium silicate.

DISCUSSION

The possibility that the increasing incidence of carcinoma in western society may be related to a corresponding increase in the use of asbestos (Graham and Graham, 1967) is of interest, especially with regard to pleural and peritoneal mesotheliomas in workers exposed to crocidolite asbestos in industry (Wagner et al., 1960; Elwood and Cochrane, 1964). There have been a number of reports about the relationship between asbestos and carcinogenesis (Smith et al., 1965; Jacob and Anspach, 1965). However, the identification of asbestos fibres within tissue is extremely difficult. Fine particles embedded within tumour tissue are usually beyond the limits of resolution of the optical microscope, and tissue incineration, followed by electron microscopy of the isolated particles, may be unreliable if chemical changes are

induced by the procedure. Using normal light microscopy, identification of asbestos particles is based on the presence of characteristic ferritin bodies on some of the fibres, although these cannot easily be distinguished from similar bodies around elastin fibres (Henderson et al., 1970). This procedure may not, however, be as unreliable as the use of polarized light for the demonstration of brightly illuminated "birefringent crystals of asbestos".

The replication technique (Henderson, 1969) failed to show asbestos fibres in the ovarian neoplasms studied. On the other hand, there was good evidence for the presence of talc, often indistinguishable from anthophyllite asbestos, within the ovarian tissue. (Anthophyllite is converted naturally to talc.) The talc particles were found localized deep within tumour tissues, and not universally dispersed throughout the tumour. The talc particles in the ovary were generally much smaller than those found in the tissue from the tumours of the cervix.

The relationship between asbestos and mesotheliomas appears well established, and the replication technique has provided unequivocal evidence for the presence of fibres within such tumours. This technique has also produced evidence for the presence of talc in tissue from pneumoconiotic lungs of a patient with an industrial history of exposure to Norwegian talc (Henderson et al., 1970). The presence of mica, kaolin and asbestos fibres were also identified in tissue from these pneumoconiotic lung tissue.

Although it is impossible to incriminate talc as a primary cause of carcinomatous changes within either the cervix or the ovary on the preliminary observations described here, the possibility that talc may be related to other predisposing factors should not be disregarded and further investigations are obviously required.

ACKNOWLEDGEMENTS

The authors gratefully acknowledge the generous financial support of the Tenovus Organization. They also thank Dr. J. W. Dobbie, Department of Pathology, Royal Infirmary, Glasgow, for supplying a number of tissue sections, and also Mr. D. E. Evans, Department of Geology, National Museum of Wales, for the natural minerals required for reference purposes.

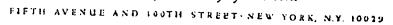
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REFERENCES

- Elwood, P. C., and Cochrane, A. L. (1964): British Journal of Industrial Medicine, 21, 304.
- Graham, J., and Graham, R. (1967): Environmental Research, 1, 115.
- Henderson, W. J. (1969): Journal of Microscopy, 89, 369.
- Henderson, W. J., Gough, J., and Harse, J. (1970): Journal of Clinical Pathology, 23, 104.
- Henderson, W. J., Harse, J., and Griffiths, K. (1969): European Journal of Cancer, 5, 621.
- Jacob, G., and Anspach, M. (1965): Annals of New York Academy of Sciences, 132, 536.
- Keal, E. E. (1960): Lancet, 2, 1211.
- Smith, W. E., Miller, L., Elsasser, R. E., and Hubert, D. D. (1965): Annals of New York Academy of Sciences, 132, 456.
- Wagner, J. C., Sleggs, C. A., and Marchand, P. (1960): British Journal of Industrial Medicine, 12, 260.



MOUNT SINAL SCHOOL OF MEDICINE of The City University of New York





Department of Community Medicine

593EP 1971

August 22, 1971

Mr. W.J.Henderson
Tenovus Institute for Cancer Research
The Welsh National School of Medicine
Heath
Cardiff, Wales
Great Britain

Dear Mr. Henderson:

My colleagues and I have read with great interest the recent report "Talc and Carcinoma of the Ovary" in the British Journal of OB-GYN. You and your associates are to be congratulated on a very good and important piece of work.

Dr. Hildick-Smith, medical director for Johnson and Johnson Company, forwarded to our laboratory a block of tissue from the Tenevus collection. We have studied the material and have confirmed your observations. We have also found other particles of interest. We feel these new observations are worthy of report to the scientific community here in the United States.

Would you or your colleagues object to our reporting these additional findings? We will certainly acknowledge your work, findings, and the origin of the tissue.

We shall be looking forward to hearing from you concerning this matter.

Sincerely,

Arthur M. Langer

Associate Professor of Mineralogy

AML/lh

SA MEDICAL JOURNAL

917

Migration of a Particulate Radioactive Tracer from the Vagina to the Peritoneal Cavity and Ovaries

P. F. VENTER, M. ITURRALDE

SUMMARY

In this report we describe a radionuclide procedure designed to evaluate the migration of a particulate radioactive tracer from the vagina to the peritoneal cavity and ovaries, as well as the determination of the patency of the pathways between these two extremes of the female reproductive system.

"Tc-labelled human albumin microspheres ("Tc-HAM) were deposited in the posterior fornices of 24 patients a day before they were to undergo different gynaecological operations. During this period sequential images were obtained and after the operation radioactivity levels in the removed organs and tissues were counted with a scintillation detector.

In 14 out of 21 cases, the ovaries and fallopian tubes were counted separately from the uterus. Nine were positive (radioactivity levels were sufficiently high in the tubes and ovaries) and 5 were negative (no substantial radioactivity levels could be detected in either the tubes or the ovaries). The 5 negative results all occurred in patients with proved tubal damage as a result of previous infection.

All the results were either true positive or true nega-, providing evidence of migration, or obstruction, of "Tc-HAM from the vagina through the uterus and tubes to the peritoneal cavity and ovaries.

S. Afr. med. J., 55, 917 (1979).

In the female, the peritoneal cavity is linked with the outside via the fallopian tubes, the uterus and the vagina, and there is evidence of migration of different substances in either direction. For example, malignant cells from ovarian carcinoma can be demonstrated in the posterior fornix of the vagina.1 After menstruation the gonococcus can penetrate the cervix and gain access through the uterus and tubes to the peritoneal cavity and ovaries.2 For pregnancy to occur, spermatozoa have to move up the uterus and the ova down the tube. Retrograde menstruation is also a well-known phenomenon. After insufflation, air and gases pass easily from the vagina into the peritoneal cavity up to the diaphragm. Radio-opaque contrast media are introduced with great ease through the uterus and

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M. ITURRALDE, M.D., D.M., Professor and Head

Date received: 22 November 1978.
Reprint requests to: Professor M. Iturralde, Dept of Nuclear Medicine,
Professor M. Iturralde, Medicine,
Professor M. Iturralde, Medicine,
Professor M. Iturralde, Medicine,
Professor Medicine, Medicine, Medicine, Medicine, Medicine, Medicine, Medicine, Medicine,

tubes into the peritoneal cavity, and tubal patency is easily demonstrated during peritoneoscopy by injection of a dye through the cervix and into the tubes.

Does this also hold for inert chemical substances? Will a chemical substance deposited in the vagina later appear in the peritoneal cavity? Such migration could well explain the aetiological role of chemical substances in certain gynaecological diseases. It has already been suggested that talcum powder is one of these potentially dangerous inert chemical products. Electron micrographic slides of removed human ovaries have shown asbestos particles resting on them, and there is evidence that these particles originated from talc used to dust condoms.4

To demonstrate the upward migration of chemical substances we made use of radionuclide imaging and counting techniques.

MATERIAL AND METHODS

The subjects of this study were 24 adult women, both Blacks and Whites, from the Academic Hospitals of the University of the Orange Free State in Bloemfontein. All had been admitted to hospital for elective gynaecological surgical operations (Table I). The radionuclide procedure was explained and the necessary consent ob-

TABLE I. SURGICAL INDICATION AND OPERATIVE

	PROCE	DURE
umber «	of	
oatients	Surgical indication	Operative procedure
4	Sterilization	Fimbriectomy
7	Ca. breast stage III	Bilateral salpingo- oöphorectomy
1	Ca. breast stage III	Hysterectomy and bilateral salpingo-oophorectomy
2	Postmenopausal bleeding	Dilatation and curettage
2	Postmenopausal bleeding	Hysterectomy and bilateral salpingo-oophorectomy
3	Menorrhagia	Dilatation and curettage
4	Menorrhagia	Hysterectomy and bilateral salpingo-oöphorectomy
1	Pelvic Infection	Hysterectomy and bilateral salpingo-oöphorectomy

Procedure

The patient was placed in the supine position with the buttocks slightly elevated. The cervix and posterior fornix were exposed with a Cusco vaginal speculum and between 10 and 15 mCi of wmTc-labelled human albumin microspheres (HAM) in a volume of less than 3 ml was

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deposited in the posterior fornix. The patient was kept in this position for about 2 hours. The vulva was covered with a sanitary towel, and the legs were pressed together to prevent the radionuclide solution streaming from the vagina and thus lowering count levels.

In a few cases images were obtained, 4 and 24 hours after deposition of the radioactive tracer, with a Nuclear Chicago Pho/Gamma III scintillation camera (Figs 1 and 2). In most cases a count was performed on removed surgical specimens as a whole or separately on the uterus

and adnexae, for 1 000 seconds in a 12,7-cm well scintillation detector. In one case a piece of the anterior peritoneum, fluid from the pouch of Douglas and blood were also included in the count, to determine the possibility of reabsorption into the bloodstream from the vaginal mucosa.

Radiation exposure to the patients was low owing to the short half-life of ^{90m}Tc (6 hours), and in most cases it was almost negligible since the target organs had been surgically removed.

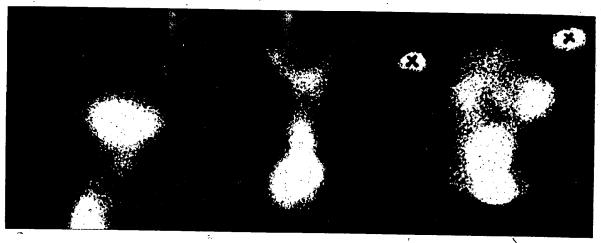


Fig. 1. Scintiphotographs showing positive **Tc-HAM migration: A — from the vagina to the uterus (4 hours after deposition); B — in both tubes (6 hours after deposition); C — reaching the peritoneal cavity and ovaries 24 hours after deposition (markers in the anterior superior iliac spines).

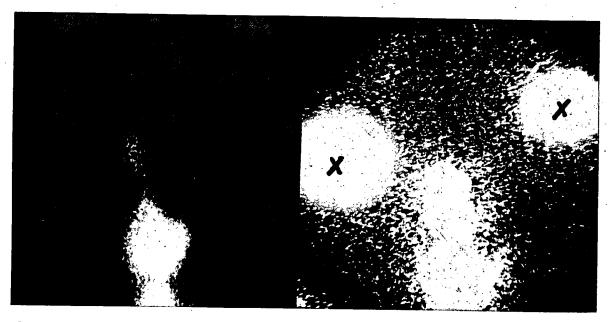


Fig. 2. Scintiphotographs showing negative ^{∞m}Tc-HAM migration: A — in the left tube (4 hours after deposition); the right tube is patent; B — in both tubes; 24 hours after deposition radioactivity remains in the uterus (markers in the anterior superior iliac spines).

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RESULTS

A total of 24 patients were examined. Because radionuclide material streamed away from the vagina in 3 patients, these cases were considered technically defective and were not included in the final analysis.

Of the remaining 21 cases 16 were positive, that is sufficiently high radioactivity levels were obtained as evidence of migration of the radioactive tracer to the uterus or the tubes and ovaries. The results were negative in 5 cases; in 2 of them the radioactive microspheres did not pass from the vagina to the uterus and in the other 3 there was no migration to the adnexae or fimbria. In the latter, it was impossible to determine radioactivity levels in the uterus because the latter was not removed.

TABLE II. SUMMARY OF RESULTS

		Radioactivity
		present (+) or
Patient	Tissue examined	absent (-)
1	Organ imaging	
	fimbria	Uterus, adnexa, fimbria +
2	Organ imaging	Uterus and adnexa +
3	Organ imaging	
	fimbria	Uterus, adnexa, fimbria +
4	Organ imaging	
	adnexa	Uterus +, adnexa +
5	Uterus and adnexa	Uterus +, adnexa
6	Endometrium	Endometrium —
7	Organ imaging	
	endometrium	Uterus and endometrium +
8	Organ imaging	
	endometrium	Uterus and endometrium -
9	Endometrium	Endometrium +
10	Uterus and adnexa	Uterus and adnexa 🕂
11	Adnexa	Adnexa +
12	Uterus and adnexa	Uterus and adnexa +
13	Uterus and adnexa	Uterus, adnexa +
14	Endometrium	Endometrium +
15	Uterus and adnexa	Uterus +, adnexa
16	Adnexa	Adnexa +
17	Adnexa	Adnexa +
18	Fimbria	Fimbria —
19	Uterus and adnexa	Uterus and adnexa 🕂
20	Adnexa	Adnexa —
21	Adnexa	Adnexa —

In 14 out of 21 cases it was possible to measure radioactivity levels in the adnexa separately from the uterus. Nine of these showed marked radioactivity in the tubes and ovaries, while in 5 the radioactivity levels were not much higher than the background. In all 5 of these patients, severe tubal occlusion due to previous infection was confirmed by study of the removed specimens (Table II).

In 1 case, radioactivity levels in blood were not much higher than in the background, which indicated that radioactive tracer had not reached the adnexa through the blood supply owing to local reabsorption in the vaginal mucosa.

DISCUSSION

Evidence is available for migration of different substances in either direction within the female reproductive system between the peritoneal cavity and ovaries via the tubes, uterus and vagina, and the outside. Various living organisms actively follow this pathway in both directions. Gases, fluids, dyes and contrast media can easily be introduced from the vagina into the peritoneal cavity. If transit can take place so easily, it is probably the same for many chemical substances used for hygienic, cosmetic or medicinal purposes, many of which may have potential carcinogenic or irritating properties.

To prove this would be of great practical value, because migration of certain chemical substances could play an important aetiological role in gynaecological diseases and especially in carcinoma of the ovary.

We found the use of a particulate radioactive agent such as ^{100m}Tc-HAM with a size range of 30 - 50 μm to be a suitable and safe means of imaging and evaluating tubal patency and demonstrating the possibility of transit of particles from the vagina to the peritoneal cavity and ovaries.

Results obtained by this technique correlated with findings in the surgically removed specimens, thus demonstrating the accuracy of this radionuclide procedure.

REFERENCES

- 1. Graham, R. and Graham, R. C. (1967): Brit. J. Obstet. Gynaec.,
- John S. H. in Monet, G. R. G., ed. (1974): Diseases in Obstetrics and Gynaecology, pp. 381 395. London: Harper & Row.
 Jordan, J. A. (1974): Clinics Obstet. Gynaec., 1, 395.
 News and Comment (1978): S. Afr. med. J., 54, 14.

Ovarian Cancer and Talc

A Case-Control Study

DANIEL W. CRAMER, MD,*† * WILLIAM R. WELCH, MD,§ ROBERT E. SCULLY, MD,[®]
AND CAROL A. WOJCIECHOWSKI, RN‡

Opportunities for genital exposure to talc were assessed in 215 white females with epithelial ovarian cancers and in 215 control women from the general population matched by age, race, and residence. Ninety-two (42.8%) cases regularly used talc either as a dusting powder on the perineum or on sanitary napkins compared with 61 (28.4%) controls. Adjusted for parity and menopausal status, this difference yielded a relative risk of 1.92 (P < 0.003) for ovarian cancer associated with these practices. Women who had regularly engaged in both practices had an adjusted relative risk of 3.28 (P < 0.001) compared to women with neither exposure. This provides some support for an association between talc and ovarian cancer hypothesized because of the similarity of ovarian cancer to mesotheliomas and the chemical relation of talc to asbestos, a known cause of mesotheliomas. The authors also investigated opportunities for potential talc exposure from rubber products such as condoms or diaphragms or from pelvic surgery. No significant differences were noted between cases and controls in these exposures, although the intensity of talc exposure from these sources was likely affected by variables not assessed in this study. Cancer 50:372-376, 1982.

THE POSSIBILITY that ovarian cancer may be caused by exposure to certain hydrous magnesium silicates such as talc and asbestos has been raised by several researchers. The lack of epidemiologic studies regarding this hypothesis prompted us to investigate talc exposure in a case-control study of ovarian cancer.

From the Departments of *Obstetrics, †Gynecology, and §Pathology, Boston Hospital for Women, Division of the Brigham and Women's Hospital, the ‡Department of Epidemiology, Harvard School of Public Health and the ¹Department of Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts.

Supported by Grant Number 5-RO1 CA24209, awarded by the National Institutes of Health, DHEW.

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This study could not have occurred without the generous participation of many clinicians and institutions in the greater Boston area including: Dr. Emanuel Friedman of the Beth Israel Hospital, Drs. Robert Knapp and Thomas Griffiths of the Brigham and Women's Hospital and Sidney Farber Cancer Institute, Dr. Arthur Hassett of the Brockton Hospital, Dr. Joel Rankin of the Framingham Union Hospital, Dr. Edward Copenhaver of the Lahey Clinic Foundation, Dr. James Nelson of the Massachusetts General Hospital, Dr. Clement Yahia of the New England Deaconess Hospital, Dr. Lalita Gandbhir of the Pondville Hospital, Dr. James Whelton of Saint Elizabeth's Hospital, Dr. Stephen Alpert of the Salem Hospital, Dr. Richard Hunter of the University of Massachusetts Medical School. The superb clerical and technical assistance of Ms. Eileen McManus, Ms. Sally Cassells, and Ms. Christine Peters is also gratefully acknowledged.

Accepted for publication December 29, 1981.

Methods

The cases studied were women with ovarian cancer, diagnosed between November 1978 and September 1981 and identified through the pathology logs or tumor boards of twelve participating hospitals in the Greater Boston area. The study was restricted to English-speaking residents of Massachusetts ranging in age from 18 to 80 years. During the study period, 297 eligible cases were identified. Physicians denied permission to contact their patients in 13 instances. Fourteen patients declined to participate, and 14 other patients had died or moved before they could be contacted.

For each of the 256 interviewed cases, slides of the surgical specimens were reviewed by two authors (W.R.W. or R.E.S). Eighteen cases were excluded as nonovarian primaries. Each ovarian tumor was classified according to the Histological Classification of Ovarian Tumors of the World Health Organization. The present analysis was restricted to 215 white women with epithelial cancers, including 39 with tumors of borderline malignancy and their matched controls.

Control cases were identified through the Massachusetts Town Books, annual publications that list residents by name, age, and address. Controls were selected randomly from those women who matched cases by precinct of residence, race, and age within two years. Additionally, it was required that a subject be excluded

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as a control if she had had a bilateral salpingo-oophorectomy, but subjects were not excluded because of prior hysterectomy or other types of pelvic operations. Women who had had pelvic operations were generally confident in their knowledge of whether their ovaries had been removed, but the nature of the operations could not be verified by hospital records in each instance. Women whose statements could not be verified were included or excluded on the basis of their recollection of the surgery. The 215 controls in this study were eventually obtained from a total of 475 potential controls identified through the Town Books. Fifty-six (12%) of the total could not be reached because they had moved, died, or had disconnected or unlisted phones. Twenty-nine (6%) of the total were ineligible because of a history of bilateral salpingo-oophorectomy, while 20 (4%) were of the wrong age or race or did not speak English. Of the total potential controls, 155 (33%) refused to participate. If the 215 cases are characterized as to ease of matching, 121 (56%) cases were matched with no refusals, 58 (27%) were matched after one refusal, and 36 (17%) were matched only after two or more refusals.

Interviews were conducted personally to assess a number of factors from the menstrual and reproductive history, medical and family history, and environmental exposures. This report will deal only with the results of several questions related to potential or definite talc exposure by way of contraceptive practices, operations, or perineal hygiene. Subjects were stratified by potential confounders described below, and adjusted relative risks associated with these exposures were calculated by the Mantel-Haenszel procedure as adapted by Rothman and Boice. To accommodate other confounders as well as the matched design in the data collection, logistic analysis for matched data as described by Breslow et al. was also employed.

Results

The average age (and standard error of the mean, SEM) for cases was 53.2 (1.0) years and for controls,

TABLE 1. Characteristics of Cases and Controls

	Cases (Total = 215)		Controls (Total = 215)		
Characteristic	No.	%	No.		
Educational level					
(completed					
college)	48	22.3	49	22.8	
Religion (Roman					
Catholic)	126	58.6	128	59.5	
Marital status					
(never married)	46	21.4	24	11.2	
Nulliparous	78	36.3	39	18.1	
Menopausal status					
(postmenopausal*)	137	63.7	129	60.0	

Postmenopausal at time of diagnosis for cases or for interview for controls.

53.5 (1.0) years. Table 1 shows other characteristics of subjects. Controls were comparable to cases in educational level and religion. Cases and controls differed significantly in marital status and parity with parity being the more important discriminator between them. Sixty-four percent of the cases were postmenopausal at the time of diagnosis, whereas 60% of controls were postmenopausal. Of these, 15 cases and 20 controls had had an artificial menopause. Parity and menopausal status were considered important potential confounders in this analysis and were adjusted for as described above.

Relative risks associated with potential talc exposure from contamination on rubber products are explored in Table 2. Although surgical gloves of recent vintage are dusted with starch, talc contamination may still be found. Thus, a history of pelvic operations (appendectomy, cesarean section, hysterectomy, and other operations on internal genital organs other than bilateral salpingo-oophorectomy) was determined in cases and controls. Excluding operations associated with the diagnosis or treatment of the ovarian cancer among the cases, no excess in the occurrence of pelvic operations was noted. The greatest opportunity for talc exposure from surgery occurred before 1950, when talc was the

TABLE 2. Relative Risks (RR) for Common Epithelial Ovarian Cancers Associated with Potential Talc Exposure from Contamination on Rubber Products

	Cases		Controls				
Exposure	Total	No. (%) with exposure	Total	No. (%) with exposure	Crude RR	Adjusted RR*	95% Confidence limits
Pelvic surgery Pelvic surgery (prior	215	78 (36.3)	215	75 (34.9)	1.06	1.17	(0.76-1.79)
to 1950) Use of condoms† Use of diaphragm†	215 169 169	51 (23.7) 19 (11.2) 37 (21.9)	215 191 191	48 (22.3) 30 (15.7) 35 (18.3)	1.08 0.68 1.24	1.12 0.77 1.19	(0.69-1.82) (0.41-1.44) (0.69-2.05)

^{*} Adjusted for parity (nulliparous, parous) and menopausal status (pre- and postmenopausal).

[†] Restricted to subjects who had ever been married.

TABLE 3. Relative Risks (RR) Associated with Using Talc for Storage Among Diaphragm Users* by Duration of Use of Diaphragm

		Cases		Controls			95% Confidence limits
Duration of diaphragm use	Total	No. (%) who used talc on diaphragm	Total	No. (%) who used tale on diaphragm	Crude RR	Adjusted RR†	
Total diaphragm use			——————————————————————————————————————				
less than five years Total diaphragm use	13	6 (46.2)	21	8 (38.1)	1.39	1.82	(0.42-8.00)
five or more years	27	16 (59.3)	19	11 (57.9)	1.06	1.23	(0.36-4.17)
All users	40	22 (55.0)	40	19 (47.5)	1.35	1.56	(0.62-3.88)

[•] Includes all women who used diaphragm regardless of marital status.

predominantly used dusting powder for surgical gloves. However, no significant excess of pelvic operations prior to 1950 was observed for cases.

The patients (cases) who, at sometime, had been married, chose condoms less frequently and diaphragms more frequently for contraception than the control group, but neither difference was statistically significant. Condom use is not necessarily associated with talc exposure. Not all brands of condoms are dusted with tale, and lubricants could affect the shedding of tale from the condom. Unfortunately, details on specific brands of condoms were not obtained. Similarly, talc exposure is not a necessary consequence of diaphragm use. We inquired specifically about the practice of dusting the diaphragm with talc for storage after use (Table 3). Among all subjects who had used a diaphragm, there was no significant excess of cases who regularly stored their diaphragm using tale, nor was any greater risk associated with this practice observed among women who had used the diaphragm for longer durations. Before the risk from this exposure can be adequately assessed, greater detail is needed including frequency of use and whether the powder was washed off prior to use. Furthermore, contraceptive jellies used with the diaphragm could affect the transport of talc in the genital tract.

Hygienic practices involving talc were also studied. Specifically, we inquired whether women had regularly used talc as a dusting powder on the perineum or regularly dusted sanitary napkins with talc (Table 4). Ninety-two (42.8%) of the cases had talc exposure by either or both of these routes compared with 61 (28.4%) of the controls. The adjusted relative risk was 1.92 (P < 0.003) with 95% confidence limits of 1.27-2.89 compared to subjects who had neither exposure. Sixty (27.9%) cases and 48 (22.3%) controls had either used tale for dusting or on napkins but not both. This difference yielded an adjusted relative risk of 1.55, which was of borderline significance (P = 0.06). The greatest risk occurred in women who had both exposures (use on the perineum and on napkins) compared to women who had neither exposure. Thirty-two (14.9%) of cases were in this category compared with 13 (6.0%) controls, for an adjusted relative risk of 3.28 (P < .001) and 95% confidence limits of 1.68-6.42. The histologic characteristics of tumors developing in women with perineal exposure to tale did not differ significantly from those in women without perineal exposure to talc (Table 5). In addition, the proportion of cases with tumors of borderline malignancy was identical among those with and without perineal exposure to talc. Twenty-two (18%) of 123 cases without the exposure had tumors of bor-

TABLE 4. Relative Risks (RR) for Common Epithelial Ovarian Cancers Associated with Tale Exposure in Perineal Hygiene

				Types of perineal expos	ure
	No perineal exposure	Any perineal exposure	As dusting powder but not on napkins	On napkins but not as dusting powder	Both on napkins and as dusting powder
Cases					
(Total = 215) Controls	123 (57.2%)	92 (42.8%)	43 (20.0%)	17 (7.9%)	32 (14.9%)
(Total = 215)	154 (71.6%)	61 (28.4%)	34 (15.8%)	14 (6.5%)	13 (6.0%)
Crude rr	1	1.89	1.58	1.52	3.08
Adjusted RR*	-	1.92	1.5	55	3.28
95% confidence limits		(1.27-2.89)	(0.98 -	2.47)	(1.68-6.42)

Adjusted for parity and menopausal status.

[†] Adjusted for parity and menopausal status.

No. 2

derline malignancy compared to 17 (18%) of 92 with the talc exposure.

Discussion

The argument linking tale and ovarian cancer includes four elements: the chemical relationship between tale and asbestos, asbestos as a cause of pleural and peritoneal mesotheliomas, the possible relation between epithelial ovarian cancers and mesotheliomas, and the ability of tale to enter the pelvic cavity. The mineral tale is a specific hydrous magnesium silicate chemically related to several asbestos group minerals and occurring in nature with them. Generic "tale" is seldom pure and may be contaminated with asbestos, particularly in powders formulated prior to 1976.

Epidemiologic studies have clearly linked lung cancer and pleural and peritoneal mesotheliomas with asbestos exposure. 10 An excess of similar pulmonary lesions has been reported in talc workers and seems to be correlated with the amount of asbestos contamination in the talc deposits worked.11 Graham and Graham' were able to induce ovarian neoplasms in guinea pigs with asbestos and suggested that ovarian cancer could be related to asbestos exposure, noting the similarity between mesotheliomas and ovarian cancers. Parmley and Woodruff¹² further emphasized this similarity and popularized the pelvic contamination theory, which proposed that environmental carcinogens might enter the pelvic cavity via the genital tract. Years earlier it had been observed that inert carbon particles placed in the vagina immediately prior to hysterectomy could be recovered from the fallopian tubes.13 Although greeted with skepticism, the finding of talc particles embedded in normal and abnormal ovaries suggests that talc is a substance that can enter the pelvic cavity via the vagina.2

Although no consensus concerning the risks of talc has emerged from letters, editorial and articles, 3,14-16 participants in the discussion have agreed upon the need for epidemiologic studies of ovarian cancer and talc exposure. In this case-control study of ovarian cancer of the epithelial variety, we investigated several sources of potential talc exposure. Among these, the only significant finding was an association between ovarian cancer and hygienic practices involving the use of talc on the perineum. It is especially notable that women who regularly had both dusted their perineum with talc and had used it on sanitary napkins had more than a three-fold increase in risk compared to women with neither exposure. Several potential biases must be considered in interpreting this association.

The observation by Wynder et al. 17 that menstrual characteristics may differ between women with ovarian cancer and controls might suggest that such differences may confound the association between perineal use of

TABLE 5. Characteristics of Ovarian Cancer in Women with and without Perineal Exposure to Talc

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	No perineal use of talc	Any perineal use of talc
	No. (%)	No. (%)
Serous Mucinous	66 (53.7) 16 (13.0)	45 (48.9) 14 (15.2)
Endometrioid and clear cell	32 (26.0)	24 (26.1)
Other and undifferentiated	9 (7.3)	9 (9.8)
Total	123 (100)	92 (100)

talc and ovarian cancer. We found that menstrual characteristics of cases and controls were virtually identical in this study. Fifty-three (24.7%) cases complained of moderate or severe dysmenorrhea compared to 56 (26.0%) controls. Twenty-five (11.6%) cases complained of irregular periods compared to 32 (14.9%) controls. The average numbers (and SEM) of days of flow and cycle length were, respectively, 4.9 (0.1) and 28.9 (0.3) days for cases and 4.9 (0.1) and 29.6 (0.3) days for controls.

Since entry of talc into the pelvic cavity is prevented by hysterectomy or tubal ligation, it might also be argued that the inclusion of subjects with pelvic surgery in the analysis may obviate any association between talc and ovarian cancer. It should be noted that such surgery generally occurred near the end of reproductive life for both cases and controls, probably after most significant talc exposure had already occurred. The exclusion of such subjects from the analysis did not substantially alter the observed associations. For example, the adjusted relative risk for the use of talc both on the perineum and sanitary napkins was $2.79 \ (P < 0.003)$ in the group without pelvic surgery compared to 3.28 observed for the entire group.

In terms of other confounders, the association persisted after adjustment for menopausal status and parity. We also applied multivariate logistic regression for paired observations. The maximum likelihood estimate of relative risk associated with any perineal use of talc was 1.61 (P = 0.03) with 95% confidence limits of 1.04-2.49 after simultaneous adjustment for religion, marital status, educational level, ponderal index, age at menarche, exact parity, oral contraceptive or menopausal hormone use, and smoking.

Our sample of cases represents more than 50% of ovarian cancer cases diagnosed in Boston residents in the study period. Therefore, it is difficult to conceive of a plausible bias in the selection of cases that would yield this excess use of talc. There is reason for concern that the high refusal rate among the controls may have introduced a selection bias among the controls. But,

when we restricted the analysis to the 121 cases who were matched without a control refusal, we again found a significant association between talc use and ovarian cancer. For women who had used talc both in dusting and on the perineum we found an adjusted relative risk of $2.44 \ (P < 0.05)$. Interviewer bias is also unlikely to explain the association. Of the 18 women who were initially interviewed as ovarian cancer cases but later excluded as having metastatic tumors to the ovary, only one (5.6%) had both perineal and napkin exposure as compared with 15% in cases and 6% in controls.

Experimental data which might bear on the carcinogenicity of talc come primarily from models using pleural implantation of various minerals in rats. ¹⁸ These data suggest that carcinogenicity is dependent primarily upon the shape of the particles with long thin fibers such as those occurring in crocidolite asbestos being most carcinogenic. Talc consists primarily of plates but may contain fibers, although voluntary guidelines to limit the content of asbestisform fibers in consumer talcums were proposed by the cosmetics industry in 1976. ¹⁹

If talc is involved in the etiology of ovarian cancer, it is not clear whether this derives from the asbestos content of tale or from the uniqueness of the ovary which might make it susceptible to carcinogenesis from both talc and other particulates. With ovulation entrapment of the surface epithelium of the ovary into the ovarian stroma occurs. If present, tale or other particulates might be incorporated into these inclusion cysts. Apparently implantation of foreign bodies into the lumens of epithelial lined organs provides a favorable environment for carcinogenesis.²⁰ Alternatively, talc might serve to stimulate entrapment of the surface epithelium and act in the same way that "incessant ovulation" has been proposed as an etiologic factor for ovarian cancer.21 Given the histologic and clinical diversity of ovarian cancer, tale exposure is unlikely to be the only cause. Undoubtedly, reproductive experiences such as pregnancies and, perhaps, oral contraceptive use play a role in its etiology.21-23 The possibility that talc exposure interacts with these variables deserves further investigation.

It is hoped that this report will stimulate further study of tale exposure in relation to ovarian cancer. Animal studies would be helpful to determine whether and under what circumstances ovarian tumors may be induced by various tale preparations. Epidemiologic studies should focus on opportunities for excessive vaginal contamination with tale such as when it is repeatedly used in perineal dusting powders or sprays and in or on tampons, sanitary napkins, or other products intended for

intravaginal use. More precise details on the exact nature and frequency of the exposure and the amount and specific brand of powder used are essential. Opportunities for talc exposure are widespread and pervasive,²⁴ but that should not discourage epidemiologists from studying this potentially important exposure in relation to ovarian cancer.

REFERENCES

- 1. Graham J, Graham R. Ovarian cancer and asbestos. *Environ Res* 1967; 1:115-128.
- 2. Henderson WJ, Joslin CAF, Turnbull AC, Griffiths K. Talc and carcinoma of the ovary and cervix. J Obstet Gynaecol Br Commonw 1971; 78:266-272.
- 3. Longo DL, Young RC. Cosmetic talc and ovarian cancer. Lancet 1979; ii:349-351.
- 4. Serov SF, Scully RE, Sobin LH. International Histological Classification of Tumours, No. 9. Histological Typing of Ovarian Tumours. Geneva, World Health Organization, 1973.
- 5. Rothman KJ, Boice JD. Epidemiologic analysis with a programmable calculator. NIH Publication No. 79-1649, 1979.
- 6. Breslow NE, Day NE, Halvorsen KT, Prentice RL, Sabai C. Estimation of multiple relative risk functions in matched case-control studies. Am J Epidemiol 1978; 108:299-307.
- 7. Henderson WJ, Hamilton TC, Griffiths K. Talc in normal and malignant ovarian tissue. Lancet 1979; i:499.
- 8. Cralley LJ, Key MM, Groth DH, Lainhart WS, Ligo RM. Fibrous and mineral content of cosmetic talcum products. *Am Ind Hyg Assoc J* 1968; 350-354.
- 9. Rohl AN, Langer AM, Selikoff IJ, Tordini A, Klimentidis R. Consumer talcums and powders: Mineral and chemical characterization. J Toxicol Environ Health 1976; 2:255-284.
- 10. Selikoff IJ, Hammond EC (eds.). Health hazards of asbestos exposure. Ann NY Acad Sci. 1979; 330:1-179.
- 11. Kleinfeld M, Messite J, Zaki MH. Mortality experiences among talc workers: A follow-up study. *J Occup Med* 1974; 16:345-349.
- 12. Parmley TH, Woodruff JD. The ovarian mesothelioma. Am J Obstet Gynecol 1974; 120:234-241.
- 13. Egli GE, Newton M. The transport of carbon particles in the human female reproductive tract. Fertil Steril 1961; 12:151-155.
 - 14. Anonymous. Cosmetic talc powder. Lancet 1977; i:1348.
- 15. Newhouse ML. Cosmetic tale and ovarian cancer. Lancer 1979; ii:528.
- 16. Roe FJC. Controversy: Cosmetic talc and ovarian cancer. Lancet 1979; ii:744.
- 17. Wynder EL, Dodo H, Barber HRK. Epidemiology of cancer of the ovary. Cancer 1969; 23:352-370.
- 18. Stanton MF, Layard M, Tegeris A, et al. Relation of particle dimension to carcinogenicity in amphibole asbestoses and other fibrous minerals. J Natl Cancer Institute 1981; 67:965-975.
- 19. C.T.F.A. Specification. Tale, cosmetic: Cosmetic, toiletry, and fragrance association, Inc. Issue 10-17, 1976.
- 20. Brand KG, Johnson KH, Buoen LC. Foreign body tumorigenesis. CRC Crit Rev Toxicol 1976; 4(Oct):353-394.
- 21. Casagrande JT, Pike MC, Ross RK, Louie EW, Roy S, Henderson BE. Incessant ovulation and ovarian cancer. *Lancet* 1979, ii:170-172.
- 22. Newhouse ML, Pearson RM, Fullerton JM, Boesen EAM, Shannon HS. A case control study of carcinoma of the ovary. Br J Prev Soc Med 1977; 31:148-153.
- 23. McGowan L, Parent L, Lednar W, Norris HJ. The woman at risk for developing ovarian cancer. Gynecol Oncol 1979; 7:325-344.
- 24. Blejer JP, Arlon R. Talc: A possible occupational and environmental carcinogen. J Occup Med 1973; 15:92-97.

Exhibit 18

Copy to Blan/Lisa (By Noon)

- JOHNSON'S BABY POWDER -

Major Opportunities

- Continue to fully leverage the diaper rash claim against JBP cornstarch.
 Current household usage on Johnson's Baby Powder Pure Cornstarch has declined from 13% in 1989 to 8% in 1991. Continue to support diaper rash claim in order to rebuild product usage.
- 2. Investigate Redact (Redacted proportunities to grow the franchise.

 Investigate Redacted proportunities to grow the franchise.

 Redacted proportunities to grow the franchise.
 - Johnson's Baby Powder has a high usage rate among Redacted (52.0%) and among Redacted (37.6%). Additionally usage indices are high for Redacted and Redacted females for JBP talc (139 and 101 respectively). Redacted females also have a high index (151) against JBP cornstarch. The brand can increase volume in 1993 by targeting these groups. The brand will inshibite an adult Redacted midua program and potentially launch an adult Redacted print leftort.

Major Obstacles

1. The franchise faces weakness on several key skus in factory sales and in consumption.

$\underline{YTD} \% +/- \underline{YAG}$	
<u> IBP</u>	JBP/CS
-35.6%	-26.4%
-9.7%	+6.3%
-14.8%	-31.2%
	<u>JBP</u> -35.6% -9.7%

- JBP 4 OZ is down -6% in all outlets; Drug distribution down 5 points versus YAG.
- JBP 9 OZ is down -13% due to Food and Drug outlets; Drug distribution down 3 points versus YAG.
- JBP 14 OZ is down -11% due to declines in Food and Drug outlets.
- JBP 24 OZ is up +1%; a -10% decline in Drug has been offset by a +9% gain in Mass; Drug distribution is down 7 points versus YAG.
- JBPCS 9 OZ is down -8% due to declines in Food and Drug



- JBPCS 24 OZ is down -7% due to declines in Drug and Mass; Mass distribution is down 9 points.
- To correct this trend, renewed focus is needed on 9 oz and 24 oz sizes of the franchise. (Focus on building distribution in Drug and making these skus part of 1993 Ring Club.)
- 2. Negative publicity from the health community on talc (inhalation, dust, negative doctor endorsement, cancer linkage) continues.
 - Investigate the addition of an additive to reduce dust.
 - Encourage the reduction of dust in use by developing advertorial copy and media strategy to promote proper way to powder and diaper a baby.
- 3. <u>Little differentiation on JBP tale and cornstarch versus private label.</u>
 - Implement temporary price roll-backs on JBP and JBPCS (using **ASP** funds) to achieve merchandisable price points and attack private label in the absence of value added news king term. (R15, Rd8)
 - Investigate JBP medicated line extension as news for second half 1993/1994.

 - -Evaluate "time release" formula and /or oatmeal as second half 1993 news.
- 4. Mennen competitive coupon pressures strong YTD.
 - Participate in broad based infant coupon programs to combat pressure from Mennen (Period 2 FSI).
- 5. Talc is adult focussed business in baby focussed line.
 - Longer term, investigate moving brand to a different franchise.
 - snort term, supplement infant plan with periodic adult promotional support - Peniod 5 "Adut" FSI

Exhibit 19

Videotaped deposition of Alice M.

Blount, Ph.D., held at the Best Western

Hotel, 5 Best Western Place, Rutland,

Vermont, commencing at 9:23 a.m., on the

above date, before Carrie A. Campbell,

Registered Diplomate Reporter, Certified

Realtime Reporter, Illinois, California &

Texas Certified Shorthand Reporter, Missouri

& Kansas Certified Court Reporter.

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5		5	JUDGE NORTON: I'm Glenn
6		6	Norton. I'm the special master
7		7	appointed by the judge in these cases.
8		8	VIDEOGRAPHER: All others will
9		9	appear on the stenographic record.
10		10	The court reporter is Carrie
11		11	Campbell, and she will now swear in
12		12	the witness.
13		13	
14		14	ALICE M. BLOUNT, Ph.D.,
15		15	of lawful age, having been first duly sworn
16		16	to tell the truth, the whole truth and
17		17	nothing but the truth, deposes and says on
18		18	behalf of the Plaintiffs, as follows:
19		19	
20		20	(Blount Exhibit 1 marked for
21		21	identification.)
22		22	
23		23	DIRECT EXAMINATION
24		24	QUESTIONS BY MR. LANIER:
25		25	Q. Good morning, Dr. Blount.
	Page 7		Page 9
1	VIDEOGRAPHER: We are now on	1	A. Good morning.
2	the record.	2	Q. The jury knows me by now. My
3	My name is Chris Coughlin, and	3	name is Mark Lanier, and we're playing a
4	I'm a videographer for Golkow	4	videotape right now to the jury because
5	Litigation Services.	5	you're not live at the trial. So this is
6	Today's date is April 13, 2018,	6	what we call a deposition.
7	and the time is 9:23 a.m.	7	Thank you for taking time this
8	This video deposition is being	8	morning. I'm going to ask you some
9	held in Rutland, Vermont, in the	9	questions, and then the other lawyers will
10	matter of Gail Lucille Ingham and	10	ask you some questions as well. I'll
11	Robert Ingham, et al., plaintiffs,	11	probably come back and ask you a few more,
12	versus Johnson & Johnson, et al.,	12	and we'll try and move through this with all
13	defendants, in the Circuit Court of	13	speed.
14	the City of St. Louis, State of	14	Okay?
15	Missouri, Case Number 1522-CC10417-01.	15	A. Okay.
16	The deponent is Alice Blount,	16	Q. I've written your name down on
17	Ph.D.	17	this sheet, and you can see down at the end,
18	Will counsel please identify	18 19	Dr. Alice Blount.
19	yourselves and state whom you		Can you make sure I'm
20 21	represent.	20 21	pronouncing it right. How do you say Blount?
22	MR. LANIER: My name is Mark	22	A. I say Blount, the same as you.
23	Lanier, and I represent the ladies and	23	Q. All right. Very good. A. I'm not a southerner.
24	families affected by the ovarian cancer in this trial.	24	
25	MR. DUBIN: My name is Morton	25	Q. You're not a southerner. No, you're from Illinois?
	IVIN. DUDIN: IVIV Hame IS IVIORION	_ ∠⊃	no, you're from mimols!

3 (Pages 6 to 9)

	Page 10		Page 12
1		1	
1	A. Yeah, that's not southern.	1 2	delightful place, though I don't really think
2	Q. Okay. That's not southern.	3	we talked about this at all. A. No.
4	Fair enough. Dr. Blount, I want to ask you	3 4	A. No. Q. All right. Dr. Blount, I want
5	two important questions, and then we're going	5	the jury to get the benefit of knowing your
6	to dig into some information behind your	6	background, so let's start out talking about
7	answers.	7	that a little bit.
8	Okay?	8	Where did you grow up as a
9	A. Uh-huh.	9	girl?
10	Q. The first question is this:	10	A. I grew up in Carbondale,
11	Have you tested Johnson & Johnson baby powder		Illinois.
12	for asbestos?	12	Q. Carbondale, Illinois. That's
13	A. Yes.	13	on the other side of the Mississippi River
14	Q. And then the important	14	from St. Louis where we're trying this case.
15	follow-up question: Does Johnson & Johnson	15	A. Not that far. We used to go
16	baby powder, or did it when you tested it,	16	into St. Louis all the time.
17	have asbestos?	17	Q. That was the big city for you,
18	MR. DUBIN: Object to form.	18	maybe.
19	THE WITNESS: Yes.	19	A. Yes, close.
20	QUESTIONS BY MR. LANIER:	20	Q. Carbondale, Illinois.
21	Q. Now, because of your answers to	21	And you brought with you some
22	those questions, I want to ask you some	22	papers today, and among those papers was a
23	background information so the jury knows who	23	résumé that you did when you were trying
24	you are, and I want to ask you a little bit	24	to or when you were getting ready for a
25	about the asbestos you found.	25	position or something at Rutgers, I think.
	Page 11		Page 13
1	You are what we've listed in	1	Is that right?
2	this trial as a fact witness, so I'm not	2	A. Yes, Rutgers in Newark, Newark
3	asking you to give me expert opinions outside	3	branch of Rutgers.
4	of; just what you did and what you understand	4	Q. Okay. We'll get to you and
5	from your actual actions.	5	Rutgers in a minute.
6	Okay?	6	By the way, just for grins,
7	A. Uh-huh.	7	tell the jury where you live now and why
8	Q. All right. So let's start out	8	we're having to do this by a deposition
9	with who you are.	9	instead of you just driving in from
10	Now, I've had the benefit	10	Carbondale.
11	and we'll get into this in a little more	11	Where are we today?
12	detail later. I've had the benefit of	12	A. We're in Rutland, Vermont.
13	meeting with you I think on about three	13	Q. Rutland, Vermont.
14	different times. Three or four; is that	14	And I know you still do some
15	right?	15	consulting work, but basically
16	A. That's about right.	16	A. We came up here because I had a
17	Q. I know that on two of three of	17	job up here.
18	those times we talked for about 20 or	18	Q. All right. Very good.
19	30 minutes about this information over a cup	19	And then your husband's
20	of coffee	20	retired, I think?
21	A. Yes.	21	A. Yes.
22	Q at the bakery.	22	Q. All right. So let's just grab
23	A. (Witness nods head.)	23	a couple of things off of your résumé to make
24	Q. And then last night we had	24	sure that we've got everything right.
25	dinner with your husband, Jack, at a	25	This is a résumé that you did

	Page 14		Page 16
1	back when you were at the Department of	1	Q. And then you went to the
2	Geological Sciences at Rutgers in Newark,	2	University of Wisconsin where you got a
3	New Jersey; is that right?	3	master's of science in geology and a Ph.D. in
4	A. That's right.	4	geology in 1970; is that right?
5	Q. And your experience was you had	5	A. That's right.
6	been working with the asbestos problem since	6	Q. Now, you also got if I
7	1972, specifically with how the FDA proposed	7	remember the story correct, you also got a
8	an optical method for detecting and	8	husband at the University of Wisconsin?
9	quantifying amphiboles and chrysotile in talc	9	A. Yes, that's right.
10	used in food and drugs.	10	Q. It's not on your résumé.
11	Is that right?	11	How did you find your husband
12	A. So we're talking about 1972	12	when you were looking at rocks?
13	Q. Yes, ma'am.	13	A. Well, he was getting a Ph.D.
14	A it was wasn't that	14	there, and I needed a computer program that
15	that was when the Food and Drug came out with		he had. He was very good at writing computer
16	this regulation for the pharmaceutical	16	programs. So I went over to the chemistry,
17	industry, and my husband was working for the	17	and I got this computer program from him, and
18	pharmaceutical industry. He was a chemist,	18	that's the whole story.
19	and he took he was in charge of that	19	Q. And you got the love of your
20	department, and they put out this regulation	20	life.
21	that nobody could understand.	21	You and I were talking about
22	Q. Åh.	22	this in doing the math. You-all have been
23	A. And so the person in quality	23	married this year makes 50 years you-all
24	control said, "Dr. Blount's wife is a	24	have been married?
25	mineralogist," and so that's why I got	25	A. Yeah.
	Page 15		D 17
	1496 13		Page 17
1		1	
1 2	involved in 1972, '73, in that region, yeah.	1 2	Q. That's incredible.
2	involved in 1972, '73, in that region, yeah. Q. Okay. Fantastic.	2	Q. That's incredible. All right. Your experience at
2 3	involved in 1972, '73, in that region, yeah. Q. Okay. Fantastic. And the jury's got this from		Q. That's incredible.
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2 3 4 5	involved in 1972, '73, in that region, yeah. Q. Okay. Fantastic. And the jury's got this from other people, but would you just tell us what an amphibole is? Is that what is an	2 3 4 5	Q. That's incredible. All right. Your experience at the time of this résumé back then, you were curator of earth science at the Newark museum and a research associate professor and member of the graduate faculty for the Department of
2 3 4 5 6	involved in 1972, '73, in that region, yeah. Q. Okay. Fantastic. And the jury's got this from other people, but would you just tell us what an amphibole is? Is that what is an amphibole?	2 3 4 5 6	Q. That's incredible. All right. Your experience at the time of this résumé back then, you were curator of earth science at the Newark museum and a research associate professor and member of the graduate faculty for the Department of Geological Sciences at Rutgers since 1972.
2 3 4 5 6 7	involved in 1972, '73, in that region, yeah. Q. Okay. Fantastic. And the jury's got this from other people, but would you just tell us what an amphibole is? Is that what is an amphibole? A. It's a mineral.	2 3 4 5 6 7	Q. That's incredible. All right. Your experience at the time of this résumé back then, you were curator of earth science at the Newark museum and a research associate professor and member of the graduate faculty for the Department of
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5 (Pages 14 to 17)

	Page 18		Page 20
_		_	
1	for identification.)	1	A. Yeah, because it's easier to
2	QUESTIONS BY MR. LANIER:	2	explain.
3	Q. You brought some pictures, and	3	Q. Yes. Yes.
4	we'll go into more detail later, but two of	4 5	(Blount Exhibits 5 and 6 marked
5 6	the pictures that we'll label let's get	6	for identification.) QUESTIONS BY MR. LANIER:
7	these labels caught up. We're going to label your résumé as Exhibit Number 1 so the jury	7	`
8	can see it. We'll put a number 1 on it.	8	Q. We'll mark the gray background picture as Exhibit Number 5. So let's start
9	And then we're going to label	9	with that one.
10	these pictures as Exhibits Number 2 and 3 so	10	A. Is that the right is that
11	that we've got them as well.	11	the right I have an arrow there. Do you
12	And I'll put these up so the	12	have can you see the arrow at the side?
13	jury can see them and the lawyers can see	13	Q. Yes. Here's the arrow. Does
14	them.	14	that mean to point it out?
15	But I've put Exhibit 2	15	A. Yeah, that's the right
16	there's the 2 number. I've put Exhibit 2 up	16	direction.
17	for the jury to see.	17	Q. Okay. Now let me expand it so
18	Is this something you took with	18	that we've got a better view.
19	an optical microscope?	19	All right.
20	A. You have a picture of the	20	A. And then you got the red one to
21	microscope somewhere, I think.	21	go with it, too.
22	Q. Yes, you gave me a picture of	22	Q. I'm sorry?
23	the microscope. That's a good point. I	23	A. You got a red one that goes
24	should use that. We'll mark it as Exhibit	24	with that, too.
25	Number 4.	25	Q. Okay. That would be this
	Page 19		Page 21
1	(Blount Exhibit 4 marked for	1	would be this one.
2	identification.)	2	A. Yeah, there should be the
3	QUESTIONS BY MR. LANIER:	3	arrow should be going yeah, that's good.
4	Q. What is Exhibit Number 4?	4	Q. Okay. So here, I'll put them
5	What's this picture we're looking at?	5	both up here together.
6	A. That's my pictographic	6	A. So I first I have on the
7	microscope that I have at home. It's my	7	right I have a picture through the microscope
8	microscope, yeah.	8	without any filters or anything, but to tell
9 10	Q. So this is your microscope you have at home?	9 10	which direction is what we call the fast
11		11	direction or the slow direction, you have to
12		12	put the filter in. So that's what I've done on the left, I've put the filter in. And it
13	Q. An Olympus, looks like a BH2 A. Yeah.	13	makes the background look red, but it gives a
14	Q or an EH2?	14	yellow tint to that fiber there.
15	A. I think it's a BH2, yeah, with	15	Q. All right. So this that my
16	a lot of accessories on it.	16	finger's drawing here, I'll put a circle
17	Q. Yeah, I started to say, this	17	around it. This is what you're calling a
18	doesn't look like what we had in high school.	18	fiber; is that right?
19	A. No.	19	A. I call it yes, I call that a
20	Q. Is this what you used to take	20	fiber.
21	this picture that we've got as Exhibit 2?	21	Q. Okay. And so that's on Exhibit
22	A. Maybe you better show the	22	Number 5?
23	picture with the gray background.	23	A. Uh-huh.
24	Q. Oh, gray background picture?	24	Q. On Exhibit Number 6, it looks
25	All right.	25	like the same type thing, but it's all red on

6 (Pages 18 to 21)

	Page 22		Page 24
_	Page 22		Page 24
1	the background.	1	Q. And I've also got your paper
2	A. Yes.	2	from 1983 that I had kind of an original set
3	Q. Is this the one where you	3	of, and I got you to sign that one as well,
4	A. You put a filter in sort of the	4	didn't I?
5	middle part of the microscope, and it's the	5	A. You did.
6	color of the if it's yellow, then we know	6	Q. All right. Well, I'd like to
7	what you know, we know it's an asbestos	7	make sure that so on your background we've
8	fiber. If it was blue, then it wouldn't be.	8	got your work at Rutgers, where you've got a
9	So that's why we have these colors here.	9	Ph.D. in mineralogy and geology; is that
10	Q. Ah, so that's what tells you	10	right?
11	that that sphere-looking thing is asbestos?	11	A. Yes.
12	A. (Witness nods head.)	12	Q. I can't spell mineralogy.
13	Q. Okay.	13	Mineralogy.
14	A. That's why we put the color in	14	It's something like that. I
15	there.	15	can do geology. Geology.
16	Q. All right. By the way, where	16	Okay. And then you went to
17	did you get this asbestos from that's in	17	Rutgers where you did some teaching and
18	these pictures?	18	research, and then you've also done
19	A. From Johnson & Johnson baby	19	consulting for companies, all to not all,
20	powder.	20	but including to identify asbestos.
21	Q. All right. Now, you actually	21	Is this fair?
22	taught the graduate students how to use these	22	A. That's fair.
23	microscopes and do this work?	23	Q. All right. Now, I want to
24	A. Yes, we did yes, I taught	24	change to a new subject here, so with that
25	that.	25	being it, you've got your microscope.
	Page 23		Page 25
1	Q. Okay. And that's in addition	1	Where did you get the asbestos
2	to supervising graduate thesis research and	2	from that you've put that we've seen here
3	teaching undergraduate courses as well?	3	in Exhibit 5 and 6?
4	A. Yes.	4	You said you got it from the
5	Q. And did you also consult with	5	Johnson & Johnson baby powder, but where did
6	several major industrial minerals companies	6	the baby powder come from?
7	doing this very kind of work	7	A. Where the baby powder I
8	A. Yeah.	8	bought it off the shelf, I think in
9	Q identifying and counting	9	New Jersey, but I'm not
10	asbestos-type materials in industrial mineral	10	Q. So you just bought it off the
11	products?	11	shelf?
12	Is that you?	12	A. Yeah.
13	A. Yes, that's me.	13	Q. Very good.
14	Q. All right. Well, we've got a	14	You've also got these two
15	list here of your publications at the time,	15	pictures that I've marked as Exhibit 2 and 3.
16	your references. We'll set that aside for a	16	And Exhibit 2, it looks like the is this
17	moment, though I did get two of your	17	sphere-looking thing still the fiber?
18	publications from you.	18	A. Yes.
19	I got the "Amphibole Content of	19	Q. Okay. In one picture it's
20	Cosmetic and Pharmaceutical Tales" you	20	yellow, and in the other picture it's blue
21	published in 1991; is that correct?	21	and it's going the opposite direction.
22	A. Yeah, it looks like it.	22	How is that? Can you explain
23		23	that to me?
24	Q. And I made you sign it. I got	24	A. Well, it's blue because it's
25	an autographed copy, didn't I? A. That's right, you did.	25	
	A. That's right, you did.	⊿5	oriented in the opposite direction. It will

7 (Pages 22 to 25)

	Page 26		Page 28
-		1	
1	change color from yellow to blue if you	1	Q. "Birefringent fibers will
2	rotate it. So we rotated it.	2	change color as the microscope stage is
3	Q. Ah, so that's just you rotating	3	rotated."
4	the slide around?	4	A. Uh-huh.
5	A. Uh-huh.	5	Q. "Asbestos fibers, except
6	Q. And that changes the color?	6	crystallite"
7	A. Yeah.	7	That's one kind of asbestos,
8	Q. Why is that?	8	right?
9	A. Because the light the light	9	A. Uh-huh.
10	coming through the sample is polarized, and	10	Q "will show colors as shown
11	so it's it has a different value as you	11	here except under the condition of crossed
12	move it.	12	polars and a first order red compensator."
13	Q. When I was asking you about	13	So pointed this way is blue;
14	this over coffee, you showed me this OSHA	14	that way is yellow.
15	paper that this OSHA polarized light	15	I see in Exhibit
16	microscopy of asbestos.	16	A. Wait a minute.
17	A. Üh-huh.	17	Q 3 blue and yellow; is that
18	Q. And we'll mark this as Exhibit	18	right, or do I have it wrong?
19	Number 7 so everybody's got an ability to use	19	A. Can I see the can I see the
20	it and the jury gets to see it, I hope.	20	white paper?
21	(Blount Exhibit 7 marked for	21	Q. Here, I'm going to give you all
22	identification.)	22	of this.
23	QUESTIONS BY MR. LANIER:	23	A. See the white paper.
24	Q. Now, in that you pointed me to	24	It says crocidolite, which is
25	this chart.	25	shown here. So crocidolite oh, let's see.
	Page 27		Page 29
1	A. Uh-huh.	1	Q. Here we go.
2	Q. And this chart says	2	A. Okay. So you see here that
3	A. Uh-huh. But you need to look	3	this goes this way these I have them
4	at this set with this chart.	4	marked this way so you can see. And you see
5	Q. Oh, I need to look at	5	that this is yellow now.
6	A. Yeah, with the polarized, yeah.	6	Q. Uh-huh. I see. I see.
7	Q. With these two or with these	7	A. But they're separate. They're
8	two? Whoops. We got to do some zoom work	8	not this way, this way. You have separate
9	here.	9	views, but you can see here now it's yellow,
10	Oh, I see. I've mixed this up.	10	which means that
11	A. You mixed it up.	11	Q. Ah, so that's your flipped
12	Q. I need do it this way. Right.	12	view. So it's Exhibit Number 6 with
13	So I'm going to put Exhibit 3,	13	number 5. And if we put Exhibit Number 6 up
14	the blue one on the left, and Exhibit 2, the	14	here, it's going to be right here. I've
15	yellow one on the right.	15	outlined it in red, but that's hard to see.
16	Now, let's do that and have the	16	Let me do black.
17	jury think of that while I show this.	17	A. Uh-huh, yeah, that's it.
18	A. Yeah, let me think of that,	18	Q. All right. So and then I'm
19	too. I really did it for the other set that	19	going to kind of fold it up just to give the
20	you have.	20	jury a chance to see.
21	Q. Oh, for the other set. Okay.	21	Right next to the chart, that
22	Well, let me do this. Let me	22	yellow that we're looking at is the asbestos?
23	read it first, and then we'll put the set up	23	A. Uh-huh.
24	here.	24	Q. Okay. And you're nodding your
25	A. Uh-huh.	25	head and saying "uh-huh," but she's going to
	Δ. UII-IIUII.	ر ت	nead and saying un-nun, but she's going to

8 (Pages 26 to 29)

Page 30 Page 32 1 type this up as well. And uh-huhs, even with 1 slides, yeah. 2 2 the great Carrie Campbell, can sometimes read Q. Needles and fibers? 3 like huh-uhs, so I need to make sure I've got 3 But can we go back just a A. 4 4 a yes or no out loud, if you don't mind. little bit there? 5 5 Okay. Yes. Yes, tell me --A. Q. All right. So that is -- the 6 O. 6 A. The reason that I plot them up 7 yellow like that is the asbestos; is that 7 like you show there is that it's very 8 8 right? difficult sometimes when you look at 9 That shows us, yes, that --9 something to know whether it's a needle or a 10 10 fiber or, you know, it's something that you because of the -- the light goes through at different rates going this way or this way, 11 11 have to count or not. But if you have a population --12 so that makes a difference when you put this 12 13 filter in. You can tell the difference 13 and we know what the population is because between the fast ray and the slow ray. 14 you just marked it. And when I go through 14 15 Q. Super. Super. 15 and mine line up with that population, then I 16 Now, you wrote up papers, and I 16 know it's asbestos. But if it doesn't line know in your 1991 paper you actually talked 17 17 up -- it might line up over here with the about the fact that there was asbestos in the other side, and then I would know it's not 18 18 19 baby powder. It looks to me like you -- and 19 asbestos. 20 the jury will have a chance to read this in 20 O. Ah, okay. So the other side, 21 more detail and see that Sample I, talc 21 because of the sizes and all, is more 22 nonasbestiform, but this is asbestiform, or Sample I, is actually Johnson & Johnson baby 22 asbestos, because you've got this ratio down 23 powder. And nobody's fussing that. The 23 24 company's got those records and --24 here that's so big; is that it? MR. DUBIN: Object to form. Uh-huh. That's the way --25 25 Page 31 Page 33 1 QUESTIONS BY MR. LANIER: 1 that's --2 Q. -- and everything else. So 2 Okav. Q. just accept that with me right now. 3 3 -- their population. A. 4 "Percent amphiboles in each 4 All right. So this is -- this 5 5 aspect ratio group for talc Sample I left and is asbestiform asbestos that you were finding 6 M right compared with tremolite asbestos and 6 in the Johnson & Johnson baby powder that you 7 tremolite non-asbestiform." 7 pulled off the shelf? 8 8 So let me ask you as we zoom in A. Uh-huh. 9 9 on the Johnson & Johnson. Is the asbestos O. And you weren't doing this that you found a tremolite asbestos? 10 10 because anybody was paying you money to do 11 A. Yes. 11 it, or were you getting paid to do it? 12 O. And you can see this form of 12 A. No, I wasn't. 13 it? Is that the dotted line? 13 Well, I had some students working on some talc projects, I guess, so it 14 A. Yes, that's what it -- what 14 may -- you know, I may have bought it then to 15 the -- what they found out about it. 15 16 Q. And if we look at your counts 16 show the students what it looked like, you in these tales on an earlier page and we look 17 17 know. 18 at that Sample I, which I think the record 18 Q. All right. Part of your 19 shows is the Johnson & Johnson baby powder --19 teaching? 20 MR. DUBIN: Objection. Form. 20 A. Yeah. Okay. Very good. 21 **QUESTIONS BY MR. LANIER:** 21 22 Q. -- these particles per 22 I've got some more questions I 23 milligram, is that how many particles you 23 can ask you that I want to ask you, but I 24 were finding of the asbestos? 24 think at this point I'm going to pause and That's what it's finding on the 25 let the other lawyers go because I'm going to 25

	Page 34		Page 36
1		1	
1 2	save these questions and come back with them in a little bit.	1 2	QUESTIONS BY MR. LANIER: Q. All right. And then there's
3	So I'm going to pause at this	3	one other letter that I've found interesting,
4		4	and we'll mark this as Exhibit Number 8. And
	point no, let me go ahead and ask you a	5	
5 6	couple more. Bluff. Sorry.	5 6	I'm looking specifically at a letter that you
7	MR. DUBIN: I was going to object, but I was waiting.	7	wrote, Alice M. Blount, Ph.D., mineralogist. Is that you?
8	MR. LANIER: Bluff.	8	A. Uh-huh, that's me.
9	QUESTIONS BY MR. LANIER:	9	
10	Q. So you live in Vermont and you	10	Q. And is that your signature? A. Yes, that is.
11	still test things for asbestos; is that	11	Q. In fact, you signed your name
12	right? Do you still?	12	in 1998 just about exactly the same way you
13	A. I do not much anymore, but a	13	signed your name for me at the bakery, coffee
14	lot of what I did was only I had I had	14	shop in Rutland, Vermont, when I had you
15	property around the world, and we had to test	15	autograph your article.
16	them their stuff for asbestos just like we	16	A. Yeah, well
17	had to test here. So we were doing the	17	Q. That's 20 years. You sign your
18	testing for all of North America, South	18	name the same way.
19	America and Pacific Rim.	19	A. Uh-huh.
20	And these companies the	20	Q. All right. So we've got your
21	plants themselves would send the samples to	21	letter here.
22	us, and that's I spent a lot of time doing	22	A. Yeah.
23	that.	23	Q. And you wrote this letter to a
24	Q. All right. I've had a chance	24	law firm that did asbestos work, Mehaffy and
25	to look at some representations that Johnson	25	Weber in Beaumont.
	Page 35		Page 37
1	& Johnson has made to in courts through	1	Do you see that?
2	their lawyers, and just recently in	2	A. Uh-huh.
3	New Jersey, for example, January 29th of	3	Q. You said, "Dear Mr. Hatcher,
4	1918 of 2018. Yeah, real recent. It was	4	according to your letter of March 31, 1998,
5	a century ago.	5	I've written and enclosed a report on the
6	January 29th of 2018, the	6	occurrence, regulation and up-to-date
7	Johnson & Johnson lawyer made this	7	scientific views of asbestos, amphiboles and
8	representation. Said that "cosmetic talc	8	intermediate fibers. I've also enclosed
9	locations are not favorable for the	9	copies of my 1990 and '91 papers, one of
10	development of asbestos," and then went on to	10	which I'm sure you already have."
11	talk about how asbestos needs "hard surfaces	11	Do you see where I'm reading?
12	that are cracked to develop, but talc is the	12	A. Uh-huh.
13	softest mineral on earth," so it's in soft	13	Q. Now, you said this: "The 1991
14	places.	14	paper was written because I became aware it
15	Based upon your experience and	15	was a common opinion among industrial
16	the facts that you've developed, is that	16	hygienists that industrial talcs were better
17	true, that cosmetic talc locations are not	17	than pharmaceutical and cosmetic tales
18	favorable for the development of asbestos?	18	because there was a regulation for the former
19	MR. DUBIN: Objection to form.	19	and not the latter. I knew this was not the
20	MR. PROST: Object to form.	20	case and wanted to set the record straight."
21	THE WITNESS: No, I wouldn't	21	Do you see where I'm reading?
22	say. I wouldn't agree with that, no.	22	A. Uh-huh.
23	(Blount Exhibit 8 marked for	23	Q. "Although my papers report an
24	identification.)	24	improved method for analysis"
25		25	And for the jury, we call that

10 (Pages 34 to 37)

	Page 38		Page 40
1	the Blount method, but I'm not they can	1	That means we got this document
2	read the paper if they want to see that.	2	from Johnson & Johnson; not from you.
3	"the determinations for the	3	MR. DUBIN: Object to form.
4	sample labeled I, Johnson & Johnson's Vermont	4	QUESTIONS BY MR. LÄNIER:
5	talc, have been done by the traditional	5	Q. Have you even seen this
6	methods as well."	6	document before I showed it to you?
7	So in addition to your Blount	7	Had you seen this document
8	method, did you test it by traditional means?	8	since you wrote it?
9	A. Uh-huh, yes.	9	A. I don't think so.
10	Q. "As I told you, I believe that	10	(Blount Exhibit 9 marked for
11	Johnson & Johnson's Vermont talc contains	11	identification.)
12	trace amounts of asbestos which are well	12	QUESTIONS BY MR. LANIER:
13	below those specified by OSHA."	13	Q. All right. So if we look, for
14	A. Uh-huh.	14	example, at representations made by the
15	Q. That's what you said, isn't it?	15	company, here's one on their website. I'll
16	A. Uh-huh.	16	label it as Exhibit Number 9. It talks about
17	Q. "It should be noted that the	17	the facts about talc safety.
18	proposed FDA regulation, which was never	18	February 24, 2016, this is just
19	finalized, also specified the same .1 percent	19	on the website, blogj&j.com. "Baby powder
20	limit for amphibole asbestos as OSHA."	20	made from cosmetic talc is one of Johnson's
21	Now, you are not a	21	oldest products and a long-time part of baby
22	toxicologist; is that fair?	22	care ritual."
23	A. That's fair, yes.	23	This is the stuff used on
24	Q. So you don't know what level is	24	babies, right?
25	safe or unsafe, and you haven't done studies	25	MR. DUBIN: I'm going to object
	Page 39		Page 41
1	on the health effects; you just know asbestos	1	to form on that question and have a
2	when you see it.	2	subsequent objection with the document
3	Is that right?	3	with this witness.
4	A. That's right. That's right.	4	QUESTIONS BY MR. LANIER:
5	Right.	5	Q. Do you see where I'm reading?
6	MR. DUBIN: Object to form.	6	A. I see that.
7	QUESTIONS BY MR. LANIER:	7	Q. And all I'm doing is setting up
8	Q. Excellent.	8	a context here for the statement I'm going to
9	And did you let the lawyers	9	ask you about.
10	know about the Johnson & Johnson talc having	10	"Johnson's baby powder
11	these trace amounts of asbestos in this	11	continues to be popular with adults as well,
12	letter?	12	and in many parts of the world, it remains an
13	A. Did I tell who?	13	essential part of makeup and skin care
14	Q. Yeah.	14	routines."
15	Yeah, you didn't hide it, did	15	Do you see where it says that?
16	you?	16	A. Uh-huh.
17	A. No.	17	Q. Now, if you look at the very
18	Q. All right. And by the way, we	18	first bullet point here, zoom in a little
19	know that also because down in the corner of	19	bit, "A frequent misperception is that
20	this letter see, here's the letter. Down	20	Johnson's baby powder contains talc made with
21	in the corner it's got these numbers,	21	asbestos, a substance classified as
22	J&J-049150.	22	cancer-causing. Since the 1970s, talc used
23	Do you see that?	23	in consumer products has been required to be
	A. Uh-huh.	24	asbestos-free."
24 25	Q. I'll highlight it.	25	Do you see where I'm reading

	5 40		D 44
	Page 42		Page 44
1	that?	1	testimony this morning, had you set or
2	A. Yes.	2	decided on any particular rate by which you
3	Q. Dr. Blount, based upon what you	3	would be paid?
4	know from what you did and your expertise,	4	A. Yes.
5	was Johnson & Johnson's baby powder in the	5	Q. Okay. When did you make that
6	19 since the 1970s asbestos-free or did it	6	decision? What rate were you going to be
7	have asbestos in it?	7	paid?
8	MR. DUBIN: Objection. Form.	8	A. \$400 an hour or something like
9	THE WITNESS: It had asbestos.	9	that.
10	MR. LANIER: Okay. Thank you.	10	MR. LANIER: Yeah.
11	I'll pass the witness. Let's	11	QUESTIONS BY MR. DUBIN:
12	go off the record.	12	Q. And when was that rate decided
13	VIDEOGRAPHER: Going off the	13	on?
14	record. The time is 9:59.	14	A. I don't really know
15	(Off the record at 9:59 a.m.)	15 16	MR. LANIER: Yeah. Yeah, I met
16 17	(Blount Exhibit 10 marked for identification.)	17	with her a week ago. So it would have
18	MR. LANIER: I told Mr. Dubin	18	been a week ago, probably. QUESTIONS BY MR. DUBIN:
19	before we started I have told	19	Q. But the actual rate, was that
20	Dr. Blount that we would compensate	20	just decided during the break that we've had
21	her for her time. I know that the	21	in between your testimony for Mr. Lanier?
22	geologist fact witness for the company	22	A. No.
23	was charging Pooley charged around	23	Q. Okay. So you're representing
24	\$400 an hour I think he said. So	24	that the rate was decided on weeks ago?
25	we're going to be paying her that	25	MR. LANIER: No, about a week
	Page 43		Page 45
1	time. I don't know what her time is.	1	ago when I met her, I told her that
2	I don't know how much time she's got	2	whatever Pooley had charged is what
3	in it. Whatever it is, we're going to	3	we'd we'd pay her that hourly rate
4	be paying that, and I don't want the	4	that you-all set for the geologist.
5	other side not to be aware of that. I	5	QUESTIONS BY MR. DUBIN:
6	told Mr. Dubin but not Mr. Prost or	6	Q. All right. Let's start with
7	the judge. Put that on the record.	7	some basic concepts.
8	JUDGE NORTON: When Mr. Prost	8	There have been some words that
9	comes back in, I'll mention it to him	9	were used, if we can turn on the Elmo.
10	if you've started or whatever.	10	All right. Amphibole. What is
11	MR. LANIER: Thank you.	11	an amphibole?
12	VIDEOGRAPHER: Back on the	12	A. It's a silicate mineral.
13	record. The time 10:05.	13	Q. Does amphibole mean asbestos?
14	CROSS-EXAMINATION	14	A. Not not always. I think
15	QUESTIONS BY MR. DUBIN:	15	there's some that are not considered
16	Q. Hi, Dr. Blount. How are you?	16	asbestos. It's a group amphibole is a
17	A. I'm fine.	17	group of mineral. So, yeah.
18	Q. Okay. During the break, just	18	Q. So there are asbestos
19	to address first, counsel who is here with	19	amphiboles and there are non-asbestos
20	you, Mr. Lanier, indicated that you're being	20	amphiboles, right?
21	paid for your time and for the time that you	21	A. (Witness nods head.)
22	met with Mr. Lanier previously; is that	22	Q. And another word that we were
23	correct?	23	talking a good bit about is tremolite?
24	A. That's correct.	24	A. Uh-huh.
25	Q. Okay. And prior to your giving	25	Q. Now, is there also asbestos

12 (Pages 42 to 45)

	Page 46		Page 48
1	tremolite and non-asbestos tremolite?	1	Q. 1996.
2	A. Yes, I would say so.	2	Okay. And then presumably you
3	They're because sometimes it's sort of	3	took some out of that bottle to do your
4	blocky and other times it is a definite	4	analysis of Sample I?
5	fiber. So you have you have to make a	5	A. Uh-huh.
6	decision when you see it.	6	Q. And the first analysis that you
7	And that's why I did that graph	7	have of Sample I I think we looked at this
8	he showed earlier. You can see which ones	8	document a little bit a second ago. Okay.
9	had an asbestiform form shape and which ones	9	So this was the letter that
10	don't. That's what you have to do to make	10	Mr. Lanier showed you to Mr. Hatcher
11	sure that you're getting one that's actually	11	A. Uh-huh.
12	asbestos or not.	12	Q and it attaches a paper,
13	Q. Right.	13	"The Detection and Quantification of Asbestos
14	And so, for example, there's	14	and Other Trace Minerals."
15	another term that's also used.	15	And that's from is that
16	A. Cleavage, yeah.	16	1990?
17	Q. Fragments, right? A. Yeah.	17 18	A. I can't see it from here.O. There's a date on the bottom.
18 19		19	Q. There's a date on the bottom. MR. LANIER: I can't see it.
20	Q. Cleavage fragments, right? Is that a term that you're	20	QUESTIONS BY MR. DUBIN:
21	familiar with?	21	Q. Well, do you still have a copy
22	A. Yes.	22	of the document that
23	Q. And what is a cleavage	23	A. With everything
24	fragment?	24	MR. COOPER: It's in the bottom
25	A. That's the way the mineral will	25	right corner.
	Page 47		Page 49
1	actually break if you hammer it or something	1	THE WITNESS: 1990, yeah.
2	so that you can you know, you break it.	2	QUESTIONS BY MR. DUBIN:
3	It'll break along these cleavage lines, which	3	Q. And so we'll go into this a
4	is an inherent structure of the crystal to	4	little bit in depth, but why is it that you
5	start out with.	5	remember the timing of when you bought that
6	Q. And is it fair to say that a	6	Johnson & Johnson bottle?
7	cleavage fragment of tremolite is not	7	What brings to mind when you
8	asbestos?	8	did it?
9	A. I would say so, although there	9	A. Because we were about ready to
10	are others that do not some people don't	10	come up here and move we were about ready
11	say that. Some people count everything.	11 12	to move up here, and I remember I got it
12 13	Q. Right. A. But if there's a cleavage	13	right before we moved up here.
$\frac{13}{14}$	A. But if there's a cleavage fragment, I would not count it as asbestos.	14	Q. So when did you move up here? A. 1996.
15	Q. Okay. And so if I understand	15	Q. Okay. And so one of the things
16	your testimony correctly, your sample that	16	about this paper and I'm sorry for people
17	Sample I that you mentioned, you're saying	17	I'm making seasick with the Elmo you have
18	that that was a bought from a bottle of	18	an analysis that we talked about a little bit
19	Johnson & Johnson's baby powder?	19	before of Sample I.
20	A. Yeah. Baby powder, yeah.	20	Do you see that?
21	Q. Okay. So when did you purchase	21	A. I, yeah.
22	that bottle?	22	Q. All right?
23	A. I think I purchased it right	23	A. Uh-huh.
24	before I left New Jersey, which would be	24	Q. And now that Sample I, did
25	1996.	25	you did you you've done other studies

13 (Pages 46 to 49)

	D 50		D F2
	Page 50		Page 52
1	that involve Sample I, right?	1	of view I'll point to it on the
2	A. Uh-huh. I think so.	2	A. Which one?
3	Q. Okay. And was Sample I always	3	Q. Do you see Sample I?
4	the same material, as far as you know, or did	4	A. I. I. Okay. Uh-huh.
5	you switch it around?	5	Q. And so there were no fibers
6	A. It was the same material.	6	detected in that Sample I by the traditional
7	Q. Okay. So let's look at I'm	7	methods, right?
8	going to hand you I'll mark this	8	A. Uh-huh.
9	separately.	9	Q. Okay. But one thing we know
10	MR. DUBIN: What number are we	10	then is that Sample I can't be the Johnson &
11	on?	11	Johnson baby powder that you said you bought
12	(Blount Exhibit 11 marked for	12	in 1996, right?
13	identification.)	13	A. That seems so.
14	QUESTIONS BY MR. DUBIN:	14	(Blount Exhibit 12 marked for
15	Q. Mark this as 11.	15	identification.)
16	And do you recognize what I've	16	QUESTIONS BY MR. DUBIN:
17	marked and I'll just put it up here as	17	Q. And the same way we know this
18	Exhibit 11?	18	paper that we've all been talking about
19	If you look at this, do you	19	I'm going to mark this next, Exhibit 12.
20	recognize this paper? It's the same thing	20	A. Oh, we're doing this a
21	that you have in front of you.	21 22	different way.
22 23	A. Same thing I have		Q. Just showing you
	Q. The next page is a paper by	23 24	A. We're doing this one a
24 25	you.	25	different way. This is a centrifuge way; this one's not.
45	A. Yes, I see that.	23	
	Page 51		Page 53
1	Q. Called "Detection and	1	QUESTIONS BY MR. DUBIN:
2	Quantification of Asbestos and Other Trace	2	Q. And also here we have this
3	Materials {sic}."	3	paper that the other paper Mr. Lanier
4	You looked at the front page of	4	asked you about, "Amphibole Content of
5	that before?	5	Cosmetic and Pharmaceutical Talcs," by AM
6	A. Uh-huh.	6	Blount.
7	Q. And it indicates that this was	7	This is the paper you wrote,
8	nresented at a proceedings of International	ı Q	
	presented at a proceedings of International	8	you talked about earlier?
9	Symposium of Applied Mineralogy in 1989,	9	A. Uh-huh.
10	Symposium of Applied Mineralogy in 1989, correct?	9 10	A. Uh-huh. Q. And this paper is dated 1991,
10 11	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.)	9 10 11	A. Uh-huh. Q. And this paper is dated 1991, correct?
10 11 12	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we	9 10 11 12	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh.
10 11 12 13	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we were trying to see it before, but now that	9 10 11 12 13	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh. Q. So whatever we're claiming
10 11 12 13 14	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we were trying to see it before, but now that you have your own copy, is it a little easier	9 10 11 12 13 14	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh. Q. So whatever we're claiming seeing in Sample I here can't be an analysis
10 11 12 13 14 15	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we were trying to see it before, but now that you have your own copy, is it a little easier to see at the bottom of page 557 what the	9 10 11 12 13 14 15	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh. Q. So whatever we're claimingseeing in Sample I here can't be an analysis of the baby powder that you purchased in
10 11 12 13 14 15	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we were trying to see it before, but now that you have your own copy, is it a little easier to see at the bottom of page 557 what the date is?	9 10 11 12 13 14 15 16	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh. Q. So whatever we're claiming seeing in Sample I here can't be an analysis of the baby powder that you purchased in 1996, correct?
10 11 12 13 14 15 16 17	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we were trying to see it before, but now that you have your own copy, is it a little easier to see at the bottom of page 557 what the date is? A. Uh-huh. 1990, yeah.	9 10 11 12 13 14 15 16 17	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh. Q. So whatever we're claiming seeing in Sample I here can't be an analysis of the baby powder that you purchased in 1996, correct? A. That was this one has
10 11 12 13 14 15 16 17	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we were trying to see it before, but now that you have your own copy, is it a little easier to see at the bottom of page 557 what the date is? A. Uh-huh. 1990, yeah. Q. Okay. And you'll see, for	9 10 11 12 13 14 15 16 17 18	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh. Q. So whatever we're claiming seeing in Sample I here can't be an analysis of the baby powder that you purchased in 1996, correct? A. That was this one has what was the date you said?
10 11 12 13 14 15 16 17 18	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we were trying to see it before, but now that you have your own copy, is it a little easier to see at the bottom of page 557 what the date is? A. Uh-huh. 1990, yeah. Q. Okay. And you'll see, for example, there's analysis. If you turn to	9 10 11 12 13 14 15 16 17 18	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh. Q. So whatever we're claimingseeing in Sample I here can't be an analysis of the baby powder that you purchased in 1996, correct? A. That was this one haswhat was the date you said? Q. This is 1991.
10 11 12 13 14 15 16 17 18 19 20	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we were trying to see it before, but now that you have your own copy, is it a little easier to see at the bottom of page 557 what the date is? A. Uh-huh. 1990, yeah. Q. Okay. And you'll see, for example, there's analysis. If you turn to Table 2 on 567, there's analysis of a	9 10 11 12 13 14 15 16 17 18 19 20	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh. Q. So whatever we're claimingseeing in Sample I here can't be an analysis of the baby powder that you purchased in 1996, correct? A. That was this one haswhat was the date you said? Q. This is 1991. A. 1991. Well, yeah, I guess
10 11 12 13 14 15 16 17 18 19 20 21	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we were trying to see it before, but now that you have your own copy, is it a little easier to see at the bottom of page 557 what the date is? A. Uh-huh. 1990, yeah. Q. Okay. And you'll see, for example, there's analysis. If you turn to Table 2 on 567, there's analysis of a Sample I.	9 10 11 12 13 14 15 16 17 18 19 20 21	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh. Q. So whatever we're claimingseeing in Sample I here can't be an analysis of the baby powder that you purchased in 1996, correct? A. That was this one haswhat was the date you said? Q. This is 1991. A. 1991. Well, yeah, I guess that's right.
10 11 12 13 14 15 16 17 18 19 20 21 22	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we were trying to see it before, but now that you have your own copy, is it a little easier to see at the bottom of page 557 what the date is? A. Uh-huh. 1990, yeah. Q. Okay. And you'll see, for example, there's analysis. If you turn to Table 2 on 567, there's analysis of a Sample I. Do you see that?	9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh. Q. So whatever we're claiming seeing in Sample I here can't be an analysis of the baby powder that you purchased in 1996, correct? A. That was this one has what was the date you said? Q. This is 1991. A. 1991. Well, yeah, I guess that's right. Q. Okay. So do you know now,
10 11 12 13 14 15 16 17 18 19 20 21 22 23	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we were trying to see it before, but now that you have your own copy, is it a little easier to see at the bottom of page 557 what the date is? A. Uh-huh. 1990, yeah. Q. Okay. And you'll see, for example, there's analysis. If you turn to Table 2 on 567, there's analysis of a Sample I. Do you see that? A. Sample.	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh. Q. So whatever we're claimingseeing in Sample I here can't be an analysis of the baby powder that you purchased in 1996, correct? A. That was this one haswhat was the date you said? Q. This is 1991. A. 1991. Well, yeah, I guess that's right. Q. Okay. So do you know now, let me also ask you: You maintained the
10 11 12 13 14 15 16 17 18 19 20 21 22	Symposium of Applied Mineralogy in 1989, correct? A. (Witness nods head.) Q. And the date on this paper, we were trying to see it before, but now that you have your own copy, is it a little easier to see at the bottom of page 557 what the date is? A. Uh-huh. 1990, yeah. Q. Okay. And you'll see, for example, there's analysis. If you turn to Table 2 on 567, there's analysis of a Sample I. Do you see that?	9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Uh-huh. Q. And this paper is dated 1991, correct? A. Uh-huh. Q. So whatever we're claiming seeing in Sample I here can't be an analysis of the baby powder that you purchased in 1996, correct? A. That was this one has what was the date you said? Q. This is 1991. A. 1991. Well, yeah, I guess that's right. Q. Okay. So do you know now,

	Page 54		Page 56
1	A. Some of them, yeah, but not all	1	was published?
2	of them.	2	A. No, it would have to be after
3	Q. For example, not very long ago	3	that.
4	I believe that you gave certain samples to	4	Q. Why is that?
5	Dr. Mickey Gunter that you had maintained,	5	A. Because well, my
6	including Sample I, correct?	6	recollection is that the older sample was
7	A. I said it was Sample I.	7	obtained in New Jersey before I came up here.
8	Q. And just so we have it in the	8	The I that you're talking about
9	record, I'll mark this as next in order.	9	is something that I collected up here.
10	(Blount Exhibit 13 marked for	10	Q. Why did you label it then
11	identification.)	11	Sample I?
12	QUESTIONS BY MR. DUBIN:	12	A. Well, that's a good question.
13	Q. I know you're not aware of	13	What I usually did when I
14	this, but those samples have been made	14	was when I was collecting samples up here
15	available for testing by both plaintiff and	15	is I usually just gave them a letter rather
16	defense experts in this case.	16	than any other information on there
17	MR. LANIER: No.	17	because and I put the number on the
18	MR. DUBIN: You haven't seen	18	bottom, a letter on the bottom, because when
19	that letter?	19	I ran them, I didn't want to know who's they
20	MR. LANIER: Oh, I've seen the	20	were or where they came from. I just wanted
21	letter, but you-all have not made them	21	to look at them.
22	available to us yet.	22	So, unfortunately, some of the
23	MR. DUBIN: Okay. We can	23	things ended up with a letter that I'd
24	the letter will speak for itself.	24	already that had already been used before.
25	THE WITNESS: But I that	25	So that's why I have two letter I's.
	Page 55		Page 57
1	sample's not the same one as this	1	Q. Well, the other samples that
2	other one.	2	you gave to Dr. Gunter, did those letters
3	QUESTIONS BY MR. DUBIN:	3	correspond to the correct samples back from
4	Q. So that I is not the same I?	4	the 1991 paper?
5	A. No.	5	A. No, because they'd have to
6	Q. So what is that I?	6	be they were collected up here.
7	A. What's that I? It's a Vermont	7	Q. So was it do you still have
8	talc, but I don't know where it came from.	8	samples of other materials back from the 1991
9	Q. So is that the I that was	9	papers?
10	studied in the 1991 paper, the I that you've	10	A. I don't think so.
11	provided for testing?	11	Q. So what were all those samples
12	A. You mean with the that we	12	that you gave to Dr. Gunter?
13	plotted out, you mean?	13	A. They were samples I collected
14	Q. Right.	14	after I had moved up here.
15	Is the I that's described in	15	Q. Weren't they from areas other
16	the 1991 paper the same I that you provided	16	than Vermont?
17	to Dr. Gunter?	17	A. They may be because I had some
18	A. Huh-uh, no.	18	graduate students, and I may have had some
19	Q. So when did you obtain that	19	talc from them, too.
20	Sample I?	20	Q. But didn't they all have
21	A. Most recent?	21	identification letters that corresponded to
22	Can't tell you. I don't know.	22	the 1991 paper samples?
23	I'd have to look at my records.	23	A. I'm not sure.
24	Q. Do you know whether you	24	Q. Okay. Now, why did you
25	obtained that Sample I before the 1991 paper	25	maintain why do you maintain samples? Why

1 is it your practice to maintain samples? 2 A. I don't know. I like samples. 3 Q. What did the container of 4 Johnson & Johnson that you remember took 5 like that you remember using look like? 6 A. You want it? It's in my purse. 7 MR. LANIER: Sure. 8 MR. DUBIN: All right. We'll 9 mark that as the next exhibit in 10 order. 11 (Blount Exhibit 14 marked for 12 identification.) 13 QUESTIONS BY MR. DUBIN: 14 Q. Okay. 15 A. I thas some kind of number on 16 the bottom. I don't know if it means 17 anything. 18 Q. Let me see 19 MR. LANIER: The bottom is 18 stamped 231 D2, if that helps you. 21 MR. DUBIN: It's stamped 22 231 D2. There's a number on the side 23 that says 24 THE WITNESS: It's a cast 25 number all plus it's tale. The Page 59 1 computer tells you it's tale and 2 what if it's dangerous or not, and 3 that's what that number 4 MR. DUBIN: It says, "Baby 5 products company, Skillman, 6 New Jersey, 08558, at J&2 PPC." It's 8 got number 3011 DR. 8 QUESTIONS BY MR. DUBIN: 10 Q. And so this is the bottle that 10 you remember purchasing in 1996 before you 11 came up here, correct? 12 A. Uh-huh. 13 Q. Prior to 1996, had you obtained 14 tale from the Windsor area from any other 15 source that you can remember? 16 A. I don't remember. 17 Q. But it's fair to say that if 18 you had obtained tale from the Windsor what the source is, correct? 19 Vermont, area prior to 1996, you don't know 20 what the source is, correct? 21 A. That's right. 22 Q. Trying to cut down a little 23 time, so moving around a little 24 The pour call sometime last 25 tell there governed a little 26 till the some contained and contained and obtained tale from the Windsor area from any other 15 source that you can remember? 16 A. I don't remember. 17 Q. But it's fair to say that if 18 you had obtained tale from the Windsor, so or correct? 21 A. That's right. 22 G. Trying to cut down a little 23 time, so moving around a little 24 time, so moving around a little 25 time, so moving around a little 26 till the security.		Page 58		Page 60
2 A. I don't know. I like samples. 3 Q. What did the container of 4 Johnson & Johnson that you remember look 5 like – that you remember using look like? 6 A. You wanti? It Is in my purse. 7 MR. LANIER: Sure. 8 MR. DUBIN: All right. We'll 9 mark that as the next exhibit in 10 order. 11 (Blount Exhibit 14 marked for identification.) 12 identification.) 13 QUESTIONS BY MR. DUBIN: 14 Q. Okay. 15 A. It has some kind of number on the bottom. I don't know if it means 16 anything. 17 anything. 18 Q. Let me see – 19 MR. LANIER: The bottom is stamped 231 D2, if that helps you. 21 MR. DUBIN: It's stamped 22 231 D2. There's a number on the side that says – 24 THE WITNESS: It's a cast number. It just says it's tale. The 25 required that is any shart if it's dangerous or not, and 3 that's what that number 4 MR. DUBIN: It says, "Baby products company, Skillman, New Jersey, 08558, at J&B JPC." It's got number 3011 DR. 6 New Jersey, 08558, at J&B JPC." It's got number 3011 DR. 8 QUESTIONS BY MR. DUBIN: 9 Q. And so this is the bottle that you remember purchasing in 1996 before you came up here, correct? 12 A. Uh-huh. 13 Q. Prior to 1996, had you obtained tale from the Windsor area from any other source that you can remember? 16 A. I don't remember. 17 Q. But it's fair to say that if you had obtained tale from the Windsor area from any other source that you can remember? 16 A. I don't remember. 17 Q. But it's fair to say that if you had obtained tale from the Windsor area from any other source that you can remember? 16 A. I don't remember. 17 Q. But it's fair to say that if you had obtained tale from the Windsor area from any other source that you can provide? 18 Q. Trying to cut down a little. 19 Q. Trying to cut down a little. 20 Let me see - 21 A. That's right. 22 I A. That's right. 23 Like to take a look at it, too. 24 Q. Do you recall talking to Mr. Cooper in connection with that e-mail? 25 Q. Do you recall talking to Mr. Cooper in connection with that e-mail? 26 Q. Do you recall talking to Mr. Cooper about what your view	1	is it your practice to maintain samples?	1	Johnson & Johnson e-mailed you to ask you
3				
A Johnson & Johnson that you remember look like				
Sike that you remember using look like?			4	
6 A. You want it? It's in my purse. 7 MR. LANIER: Sure. 8 MR. DUBIN: All right. We'll 9 mark that as the next exhibit in 10 order. 11 (Blount Exhibit 14 marked for 12 identification.) 12 QUESTIONS BY MR. DUBIN: 13 QUESTIONS BY MR. DUBIN: 14 Q. Okay. 15 A. It has some kind of number on 16 the bottom. I don't know if it means 17 anything. 18 Q. Let me see 19 MR. LANIER: The bottom is 19 MR. LANIER: The bottom is 20 stamped 231 D2, if that helps you. 21 MR. DUBIN: It's stamped 22 231 D2. There's a number on the side 23 that says 24 THE WITNESS: It's a cast 25 number. It just says it's tale. The 25 number. It just says it's tale. The 26 A. Huh-uh. 27 QUESTIONS BY MR. DUBIN: 28 QUESTIONS BY MR. DUBIN: 29 Q. And so this is the bottle that 29 you remember purchasing in 1996 before you late from the Windsor area from any other source that you can remember? 20 Q. Prior to 1996, had you obtained tale from the Windsor area from any other source that you can remember? 20 Q. Prior to 1996, bad you obtained tale from the Windsor area from any other source that you can remember? 20 Q. But it's fair to say that if 21 Q. Trying to cut down a little time, so moving around a little. 22 time, so moving around a little. 23 time, so moving around a little. 24 Do you recall talking to Mr. Cooper in connection with that e-mail? 24 Do you recall talking to Mr. Cooper in connection with that e-mail? 25 MR. PROST: At some point I'd like to take a look at it, too. 26 Q. Do you recall talking to Mr. Cooper in connection with that e-mail? 27 MR. PROST: At some point I'd like to take a look at it, too. 28 MR. ProST: At some point I'd like to take a look at it, too. 29 Do you recall talking to Mr. Cooper in connection with that e-mail? 29 Q. Do you recall talking to Mr. Cooper in connection with that e-mail? 20 Q. Do you recall talking to Mr. Cooper in connection with that e-mail? 21 A. A. No. 22 A. No. 23 MR. PROST: At some point I'd like to take a look at it, too. 24 A. No. 25 MR. Cooper about what your rewess were about in? 26 A. No.	5		5	(Blount Exhibit 15 marked for
MR. LANIER: Sure. MR. DUBIN: All right. We'll 9 mark that as the next exhibit in order. 10 Order. 11 Order. 12 identification.) 12 identification.) 13 QUESTIONS BY MR. DUBIN: 13 QUESTIONS BY MR. DUBIN: 13 Guestification.) 14 Q. Okay. 14 Ogustification. 15 Ogustification. 16 Ogustification. 16 Ogustification. 17 Ogustification. 18 Ogustification. 18 Ogustification. 19 Ogustification. 19 Ogustification. 19 Ogustification. 19 Ogustification. 19 Ogustification. 19 Ogustification. 10 Ogustification. 10 Ogustification. 10 Ogustification. 10 Ogustification. 10 Ogustification. 11 Ogustification. 12 Ogustification. 12 Ogustification. 13 Ogustification. 14 Ogustification. 15 Ogustification. 16 Ogustification. 17 Ogustification. 18 Ogustification. 18 Ogustification. 19 Ogustification. 19 Ogustification. 19 Ogustification. 19 Ogustification. 19 Ogustification. 10 Ogustification.	6		6	identification.)
9 mark that as the next exhibit in 10 order. 10	7		7	QUESTIONS BY MR. DUBIN:
10 order. 11 (Blount Exhibit 14 marked for identification.) 12 13 14 Q. Okay. 14 15 A. It has some kind of number on the bottom. I don't know if it means anything. 16 MR. PROST: At some point I'd like to take a look at it, too. QUESTIONS BY MR. DUBIN: 15 A. It has some kind of number on the bottom. I don't know if it means anything. 16 Q. Let me see 17 MR. LANIER: The bottom is stamped 231 D2, if that helps you. 18 MR. DUBIN: It's stamped 22 231 D2. There's a number on the side that says 24 THE WITNESS: It's a cast 24 25 mumber. It just says it's talc. The 25 26 MR. DUBIN: It says it's talc. The 26 MR. DUBIN: It says it's talc. The 27 A. MR. DUBIN: It says, "Baby 28 MR. DUBIN: It says, "Baby 29 Go you don't recall telling 29 MR. Cooper that you thought what he was looking at wasn't asbestos? A. (Witness shakes head.) 4 MR. DUBIN: It says, "Baby 4 Q. So fair to say, though, to the extent you've looked at over time 1 every now and then I get one just to see what it's looking like. 16 MR. LANIER: I'll make them pay you for that. 17 Q. But it's fair to say that if 18 Q. Do you necall receiving any 18 MR. Cooper about what your tiews were about 16 MR. Cooper about what your tiews were about 16 MR. Cooper about what your tiews were about 17 A. Huh-uh. Q. So fair to say, though, to the extent you've looked at Johnson 20 So you don't know 20 MR. DUBIN: 21 A. Uh-huh. 22 A. Uh-huh. 23 A. No. 25 A. No. 26 A. No. 27 A. No. 27 A. No. 28 A. No. 28 A. No. 29 A. Huh-uh. 29 A. Huh-uh. 29 A. No. 20 A. Huh-uh. 20 A. No. 20 A. No. 20 A. Huh-uh. 21 A. No. 20 A. No. 20 A. Huh-uh. 21 A. No. 20	8	MR. DUBIN: All right. We'll	8	Q. Okay. See if this refreshes
11 GBlount Exhibit 14 marked for identification.	9	mark that as the next exhibit in	9	your recollection.
12 identification.) 13 QUESTIONS BY MR. DUBIN: 14 Q. Okay. 15 A. It has some kind of number on the bottom. I don't know if it means 16 Q. Do you recall reviewing a 17 anything. 18 Q. Let me see 18 Mr. LANIER: The bottom is 19 MR. LANIER: The bottom is 19 MR. LANIER: The bottom is 19 MR. DUBIN: It's stamped 231 D2. If that helps you. 21 MR. DUBIN: It's stamped 22 231 D2. There's a number on the side 22 that says 23 that says 24 THE WITNESS: It's a cast 25 number. It just says it's talc. The 25 Q. So you don't recall telling Page 59 Page 61	10	order.	10	
13 QUESTIONS BY MR. DUBIN: 14 Q. Okay. 14 Q. Okay. 15 A. It has some kind of number on the bottom. I don't know if it means anything. 16 Q. Do you recall reviewing a report by Dr. Longo and then talking to Mr. Cooper about what your views were about it? A. No. Q. Do you recall receiving any sort of report of an analysis of baby powder by Dr. Longo? A. No. Q. Do you recall receiving any sort of report of an analysis of baby powder by Dr. Longo? A. No. Q. So you don't recall telling Page 59 Page 61 A. It has bettle that you remember purchasing in 1996 before you came up here, correct? A. Uh-huh. Q. Prior to 1996, had you obtained talc from the Windsor area from any other source that you can remember? A. It don't remember. Q. But it's fair to say that if you had obtained talc from the Windsor, Q. Trying to cut down a little Q. Tryin	11	(Blount Exhibit 14 marked for	11	you recall talking to Mr. Cooper in
14 Q. Okay. 15 A. It has some kind of number on 16 the bottom. I don't know if it means 16 the bottom. I don't know if it means 17 anything. 18 Q. Let me see — MR. LANIER: The bottom is 19 it? 20 stamped 231 D2, if that helps you. 21 MR. DUBIN: It's stamped 231 D2, if that helps you. 22 231 D2. There's a number on the side 23 that says — 24 THE WITNESS: It's a cast 25 number. It just says it's talc. The 25 Q. So you don't recall telling 25 your don't recall telling 26 your don't recall telling 27 your don't recall telling 28 your don't recall telling 29 you don't recall telling 29 your don't recall telling 20 you don't recall telling 29 your don't recall telling 29 your don't recall telling 29 you don't recall telling 20 you don't recall telling 21 you for baby powder, you've looked at one bottle? 30 A. No, I looked at — over time 30 you remember purchasing in 1996 before you 30 you don't recall telling 30 you don't recall telling 30 you don't soay that if 30 you don't recall telling 30 you don't soay 4 you you don't want the source you don't recall telling 30 you don't soay 4 You've looked at Johnson & Johnson baby powder, you've looked at Johnson & baby powder, you've looked at one bottle? 30 A. No, I looked at — over time 30 you don't recall telling 30 you don't recall telling 30 you don't soay 4 You've looked at Johnson & Johnson baby powder, you've looked at Johnson & Johnson baby powder,	12			
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11 came up here, correct? 12 A. Uh-huh. 13 Q. Prior to 1996, had you obtained 14 talc from the Windsor area from any other 15 source that you can remember? 16 A. I don't remember. 17 Q. But it's fair to say that if 18 you had obtained talc from the Windsor, 19 Vermont, area prior to 1996, you don't know 20 what the source is, correct? 21 A. That's right. 22 Q. Trying to cut down a little 23 time, so moving around a little. 24 Do you recall sometime last 25 A. That I can dig out? 16 A. That I can dig out? 18 Would take a long time to 19 It would take a long time to 10 find it. Would you like to pay me for 18 WR. LANIER: I'll make them pay you for that. 19 QUESTIONS BY MR. DUBIN: 19 Q. At least in none of your meetings for Mr. Lanier did he ask you to go find any of that data, right? 20 A. No, he did not. He did not. 21 Q. Is it fair to say, though, that if somebody claims to find, for example, one tremolite structure, right, that happens to		`		
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Do you recall sometime last 24 tremolite structure, right, that happens to				
T ZO TAH HIALAH AHOHIEV. JOHAHIAH COODEL HOHI T ZO THE YIO T IHAI GOESH I MEAN INALINEVTE	25	fall that an attorney, Jonathan Cooper, from	25	be 3 to 1, that doesn't mean that they're

16 (Pages 58 to 61)

	Page 62		Page 64
1	finding asbestos necessarily, right?	1	look at Dr. Longo's report, right, the e-mail
2	A. Right.	2	from Mr. Cooper?
3	Q. You would want to go and do	3	Do you see that?
4	additional analysis beyond seeing one	4	A. E-mail from Mr. Cooper?
5	tremolite particle to determine whether it	5	Q. Well, let me ask you: Did
6	was really asbestos or not, right?	6	Mr. Lanier ever ask you to look at an
7	A. Right.	7	expert's report called an individual,
8	Q. Okay. And you were asked about	8	Dr. Longo, to see what your thoughts were
9	whether you had views on health effects,	9	about it?
10	so but you're aware that there aren't	10	A. I don't remember.
11	studies showing that the nonasbestiform	11	Q. Okay. And if somebody was to
12	tremolites cause cancer, right?	12	say that they didn't do an analysis by
13	A. Right.	13	optical microscopy, by PLM, PCM, because you
14	Q. And is it your view that the	14	just can't see asbestos with it, would that
15	nonasbestiform forms of tremolite do not	15	be correct or incorrect?
16	cause cancer?	16	A. That's incorrect.
17	MR. LANIER: I want to put an	17	Q. Okay. And in your 1992
18	objection to form. We are not	18	sorry, '91 article, you listed out the
19	offering her as an expert. I don't	19	densities of various materials so that you
20	think anyone has.	20	could because you were using a heavy
21	MR. DUBIN: I think you've	21	density liquid separation technique, correct?
22	referred multiple times to her	22	A. Yes.
23	expertise in your questions, but we'll	23	Q. So, for example, this is what
24	resolve it.	24	we're talking about, this 1991 paper.
25	resorve it.	25	Now, before I ask you that,
	Page 63		Page 65
1	QUESTIONS BY MR. DUBIN:	1	first, did you consider at the time this
2	Q. Again, you're of the opinion	2	method to be experimental in nature?
3	that nonasbestiform tremolite does not cause	3	A. No.
4	cancer, right?	4	Q. The page here, you have various
5	That's been your opinion?	5	densities for materials I know it's hard
6	A. I don't know.	6	to see, I'll try to zoom in including
7	Q. Okay. But certainly you can't	7	anthophyllite, tremolite, actinolite and
8	just come in and say that every tremolite	8	talc, right?
9	particle that's over 3 to 1 that you find,	9	A. Uh-huh.
10	that's asbestos, right?	10	Q. Was this method that you
11	A. (Witness nods head.)	11	developed capable of separating out and
12	Q. That wouldn't be a proper	12	detecting anthophyllite if it was there?
13	methodology?	13	A. Should be.
14	A. I mean I mean, I've been to	14	Q. Okay. So if someone were to
15	conference and conference of geologists	15	say that using your method, even if there was
16	arguing about what is asbestos and what is	16	anthophyllite in a sample, they couldn't see
17	not asbestos. So, I mean, geologists have	17	it, that would be wrong, correct?
18	not really reached a final conclusion on this	18	A. It depends how they do the
19	either.	19	method. Because I to do this, I had to go
20	The ASTM meetings I've been to,	20	through each mineral, and I had to find out
21	I don't know how many of them, and this is	21	its density.
22	always the discussion, you know.	22	Q. Right.
		23	•
23	Q. Okay. And to be fair, I know	43	A. And I had to know what liquid
23 24	you don't recall, but that e-mail suggests	24	to use, what density liquid. So it depends

17 (Pages 62 to 65)

Page 66 Page 68 1 know that, you can figure out what liquid to for -- in this method. 1 2 2 So you agree then that when 3 You just can't take what's 3 you're analyzing talc for asbestos, it's best 4 4 to start with an optical microscopy method written here and just do it that -- you know, 5 with that -- with those numbers. 5 like PLM? 6 O. Right. Precisely. 6 A. Right. You chose a liquid density that 7 7 And then you can take another O. 8 would allow you to see not only tremolite but 8 step, potentially, and also look at something 9 other forms of amphibole, correct? 9 like transmission electron microscopy? 10 10 A. If you wanted to get a real A. And I tested them out to see close-up view of that. But TEM is not good 11 what their density was, and then I had to 11 12 purchase a heavy liquid that fit right 12 for identifying lots of times. It's just 13 between talc and these other ones so that I 13 looking for the structures. 14 14 could separate them out in -- what would come O. Right. 15 to the bottom when I centrifuged it. And 15 PLM, one of the things that 16 then I took a little tiny pipette and I 16 it's better at than TEM is identifying removed those things from the bottom, and whether you're really looking at asbestos or 17 17 that's what went onto my glass slides. not as opposed to look -- just focusing on 18 18 19 Q. Okay. And so if somebody something that may be a non-asbestos 19 20 decides to use a different density liquid, 20 amphibole, right? 21 they're not using the same method you were? 21 Uh-huh. A. 22 A. Or if they're doing a different And so if you skip the PLM 22 23 density mineral, they would have to go 23 stage, you're missing out on a lot of 24 through that and decide which -- what liquid 24 important information that helps you tell they need to use. 25 25 whether you're really looking at asbestos or Page 67 Page 69 1 1 Q. And so if somebody, for not, correct? 2 example, selected a density of liquid that 2 Uh-huh. Α. And in your view, in general, 3 didn't allow them to see anthophyllite, they 3 4 could make that decision, but then it would 4 to determine whether or not something is 5 5 be a different method? asbestos or not, you don't want to just look 6 A. Uh-huh. 6 at one single structure; you want to look at 7 7 the characteristics of the population of the Right? Q. 8 8 A. Uh-huh. fibers, right? 9 9 And you don't know what O. A. Uh-huh. 10 10 Okay. And ignoring the method --11 A. I don't know what --11 characteristics of the population of the 12 O. -- Dr. Longo used in this case? 12 fibers is not, I take it, good science in 13 I don't know the density of 13 your view? anthophyllite right off my head either. 14 14 A. I don't think so, yeah. O. Do you have an opinion on the 15 15 All right. And again. 16 comparative ability of the TEM, transmission Mr. Lanier didn't share with you any of the 16 17 electron microscopy, and something like 17 reports or opinions of the experts like 18 optical microscopy to resolve asbestos fibers 18 Dr. Longo or Dr. Compton that he intends to 19 or see asbestos fibers? offer to the jury in this case, correct? 19 20 TEM I would not do until after 20 I didn't see any. A. Okay. And are you aware that a 21 21 I had done this, if I really want to look at 22 those, because sometimes when you get fibers, number of other researchers over time have 22 you get them -- they're bundles. So that's 23 23 looked at Johnson & Johnson material to 24 when we go to the TEM or -- to see those 24 determine whether or not they believe that it fibers. Otherwise, I wouldn't be using them 25 has asbestos in it?

18 (Pages 66 to 69)

	Page 70		Page 72
1	A. Oh, I assume they have.	1	people, so why is that?
2	Q. Okay. And let me just ask you	2	Q. Do you know who John Dement is
3	whether you're familiar with some of them	3	at was it NIOSH now?
4	or at the time. I'll mark this as next in	4	A. But he never comes to meetings
5	order.	5	or anything that we're having on asbestos.
6	(Blount Exhibit 16 marked for	6	Q. Okay. Are you familiar with an
7	identification.)	7	organization McCrone, McCrone Industries?
8	QUESTIONS BY MR. DUBIN:	8	A. Uh-huh.
9	Q. Is this a paper that you're	9	Q. And you've cited to some of
10	familiar with?	10	their work over time analyzing asbestos?
11	A. No.	11	A. Uh-huh.
12	Q. Occupational Exposures. I'll	12	Q. Were you aware that McCrone was
13	put it up here.	13	doing routine analysis of Johnson & Johnson
14	So this is not something	14	talc for asbestos by transmission electron
15	when you were asked this morning by	15	microscopy?
16	Mr. Lanier about the presence of asbestos in	16	A. Huh-uh.
17	Johnson & Johnson products, it's not	17	(Blount Exhibit 17 marked for
18	something that you had had an opportunity to	18	identification.)
19	consider before expressing any views you have	19	QUESTIONS BY MR. DUBIN:
20	about that, right?	20	Q. I know you haven't had an
21	A. Say that again?	21	opportunity, I assume, to look at
22	Q. Well, you were asked this	22	Mr. Lanier didn't show you this document when
23	morning by Mr. Lanier about whether there's	23	he was preparing you to testify today,
24	asbestos in Johnson & Johnson baby powder,	24	correct?
25	but this isn't something, this paper isn't	25	MR. LANIER: Objection. Form.
23	Page 71		Page 73
1	something, that you were had considered in	1	THE WITNESS: Yes.
2	expressing any views you have about that,	2	QUESTIONS BY MR. DUBIN:
3	right, because you haven't read it?	3	Q. Okay. And so this is a letter
4	A. No, I haven't read it. No.	4	from McCrone McCrone Industries.
5	Q. For example, this is	5	A. Yeah, I know of them.
6	individuals, Maryanne Boundy, William	6	Q. Yeah, McCrone Associates,
7	Burgess, John Dement, who is at NIOSH. And	7	sorry.
8	did you know that they went in to do a study	8	A. Go ahead.
9	of the Vermont mill and mine that made	9	Q. 1987. And it's talking about
10	that provided the source talc for Johnson &	10	something with the EPA. It says, "The
11	Johnson baby powder?	11	Illinois EPA wrote to Windsor Minerals to the
12	A. Huh-uh.	12	effect that they were satisfied that
13	Q. And that they did they took	13	Windsor's product is free of asbestos. That
14	product samples and they took air samples and	14	has always been our opinion and continues to
15	that they analyzed those using techniques	15	be our opinion based on over 15 years of
16	like PLM, optical microscopy and transmission	16	closely examining this product."
17	electron microscopy?	17	And again, this was not
18	A. Huh-uh.	18	something that you read or were shown by
19	Q. And that their conclusion was	19	Mr. Lanier to talk about your views today,
20	that there was no asbestos?	20	correct?
21	You haven't seen that before?	21	MR. LANIER: Objection. Form.
22	A. No.	22	QUESTIONS BY MR. DUBIN:
23	But I guess my question here	23	Q. Right?
24	is: I've been to so many asbestos	24 25	A. Right.
25	conferences, and I have never heard of these	25	Q. And are you aware that the FDA

19 (Pages 70 to 73)

	Page 74		Page 76
1		1	
1 2	has done testing of talc for the presence of asbestos?	2	further, but cleavages and needles which could be. Could be.
3	Have you seen those testing	3	Q. Well, let's look at the
4	results?	4	front let's look at the front of the
5	A. Huh-uh.	5	paper.
6	Q. Okay. And you didn't look for	6	A. Uh-huh.
7	purposes of your 1991 paper at any Chinese	7	Q. You say, "Only one of the
8	talc, correct?	8	samples was found to contain an amphibole
9	A. No, I don't think so.	9	particle size distribution typical of
10	Q. And you did look, though	10	asbestos," correct?
11	some of the other samples that you looked at	11	Do you see that in the
12	for your paper were raw ore samples from talc	12	abstract? "Only one"?
13	from Vermont and ore samples from talc in	13	A. Oh, in the abstract. Okay.
14	Italy, correct?	14	"Only one found to contain
15	A. Well, it's raw samples?	15	amphibole particles of size distribution of
16	Q. Well, what did you look at	16	typical asbestos."
17	what else did you look at from Vermont?	17	Yeah, I agree.
18	Sorry, I apologize.	18	Q. So that means the rest of the
19	A. Only what's in the talc	19 20	samples, other than I, did not contain a
20 21	business. And I was working for them and	21	particle size distribution of amphibole
22	I and I analyzed those. And those were coming in from Newfane and a Troy deposit.	22	typical of asbestos, right? A. Yeah, we've done this kind of
23	And they were being processed in Chester and	23	a we would have done this to see what the
24	in what's Johnson mills, and they came	24	distribution was.
25	to us. And then I had to analyze them	25	Q. And that would include the
	Page 75		Page 77
1	completely before they were became	1	Italian tale that you looked at and other
2	products that the company would sell.	2	Vermont tales that you looked at and other Vermont tales that you looked at, correct?
3	So I haven't had a chance to	3	A. Some I don't know if all of
4	look at those.	4	them, but some of them are.
5	Q. So let's start first with just	5	These were pretty much the ones
6	Italian.	6	we were running to check our own deposits
7	Did you look in the 1991 paper	7	that only its own deposits.
8	also at Italian talc?	8	Q. Right. And so
9	A. I think one of them was.	9	A. But I know there was an
10	Q. And was your conclusion that	10	Italian, I remember that being there, but I
11	there was not asbestos in the Italian talc?	11	can't tell you right now which one it was.
12	A. Do we have that paper? I think	12	Q. But fair to say that for the
13	I did. I'm not sure.	13	Italian talc that you looked at, you didn't
14	MR. LANIER: 1991?	14	find an amphibole particle size distribution
15	MR. DUBIN: Yeah.	15	typical of asbestos, right?
16	QUESTIONS BY MR. DUBIN:	16	A. Uh-huh.
17	Q. Is Italian talc H?	17	Q. And you also, for the other
18	A. Let's see. Yes, something like	18	Vermont samples that you looked at, whatever
19	that. Let's see.	19 20	they are, you didn't find an amphibole
20	Well, in this paper it says	21	particle size distribution typical of
21 22	cleavages and needles. Q. So your conclusion that was	22	asbestos, right? A. Yes, I think that's right.
23	not one of the samples that you identified	23	Q. And just to clarify also, the
24	asbestos in, correct?	24	photos that Mr. Lanier showed of Sample I, do
25	A. I guess I would have to look	25	you have other photos also, or are those all
	11. I Sweed I would have to look		journal of the photos also, of the those th

Page 78 Page 80 1 the photos that you have from that process? 1 **CROSS-EXAMINATION** 2 2 A. I don't think so. I don't QUESTIONS BY MR. PROST: 3 think I have -- we had -- we had -- the 3 Q. Good morning, Dr. Blount. My 4 4 name is Mark Prost, and I represent a company problem was that when we moved its 5 5 called Imerys Talc America. headquarters to Cincinnati, they got a new 6 director to track that lab, and he threw out 6 A. Uh-huh. 7 practically everything we had down here in 7 Q. Nice to meet you. 8 8 Vermont. So a lot of that stuff was lost, A. 9 and I'm afraid there's no way I can get it 9 Now, you and I have never met Q. 10 10 or talked before; is that right? back. Right. 11 Q. So where did you get these 11 A. And I have not had coffee with 12 12 photos? O. 13 These were ones I already had, 13 you or had dinner with you, and I haven't already printed out and, you know, I had 14 sent you any information or e-mails or 14 15 those. But I have done a lot more work since 15 anything like that, have I? then, and that does not exist anymore. 16 That's right, you haven't. 16 Q. Okay. Did Mr. Lanier ask you 17 And has anyone from Imerys 17 to try to find any other photos that you had 18 contacted you or tried to talk to you before 18 the deposition? 19 from your work or just those photos that you 19 20 A. I don't think so. brought today? 20 21 A. Well, I was looking through to 21 Q. All right. And I will say I 22 see what I had, but knowing pretty much the 22 would like to maybe have coffee with you, 23 timeline, I know at one point the new 23 because I lived in Carbondale, Illinois, just 24 director decided to throw all of that stuff 24 like you did. I went to law school there. 25 So maybe after the deposition we can catch up 2.5 out, so... Page 79 Page 81 1 1 All right. And one of the a little bit. 2 things that you note in your conclusion 2 Now, with the materials that 3 section here is, "High grade talc powders are 3 Mr. Lanier showed you, did he show you any 4 uniformly low in amphibole content. Indeed, 4 testing materials that my company, Imerys, 5 had done regarding Vermont talc? 5 talc from some districts appears to be 6 completely free of such minerals." 6 A. I don't think so. 7 Do you see that? 7 So there's going to be a woman 8 8 Uh-huh. from Imerys named Julie Pier who will A. 9 9 testify, and the jury will hear about her, So if an expert for the O. 10 plaintiffs was to testify there is no such 10 but she's going to talk about the testing 11 thing as asbestos-free talc, is that true? 11 that Imerys did. 12 A. There's no such thing... 12 Are you aware of any of the 13 If their experts would say it 13 testing that Imerys did or the results of 14 doesn't exist, there's no such thing as 14 that testing of Vermont talc? 15 asbestos-free talc, is that true? 15 No. A. 16 Α. No. 16 O. You would agree it's a good 17 MR. DUBIN: Okay. Let's take a 17 thing for a talc company to test its talc to 18 five-minute break. I'll check my 18 see if there is asbestos there, right? notes and see if I have anything else; 19 19 Right. A. 20 otherwise, I'll pass back. 20 And would you expect a talc VIDEOGRAPHER: Going off the 21 company to test for all kinds of asbestos 21 record. The time is 10:50. such as tremolite and chrysotile? 2.2 22 23 (Off the record at 10:50 a.m.) 23 A. Uh-huh, yeah. 24 VIDEOGRAPHER: Back on the 24 Q. Now, your method, as I understand it, is designed to test for 25 record. The time is 10:54. 25

21 (Pages 78 to 81)

	Page 82		Page 84
1	amphiboles but not chrysotile asbestos; is	1	I can look at the stuff I'm interested in and
2	that right?	2	the talc won't bother me, won't be in my way
3	A. I think you could do both.	3	so I can't find things.
4	Depends on, you know, which one it is, yeah.	4	Q. All right. When you developed
5	Q. But as I understand it, your	5	your method, was it your intention for it to
6	heavy liquid density testing is designed such	6	be used by lawyers or experts in litigation
7	that chrysotile is not going to be found	7	to try to prove that asbestos was causing
8	after that after the preparation is done.	8	someone's cancer?
9	They're not as likely to be found; is that	9	A. No, I did it because only I
10	right?	10	needed to know whether they had good talc or
11	A. Yeah, that's probably right.	11	not. And in fact, the two deposits that they
12	Q. So if a talc company wanted to	12	had at that time they no longer have because
13	test its talc to see if there's chrysotile	13	they know what's in there, and that's what
14	asbestos, it probably wouldn't be a good idea	14	they needed to know.
15	to use your preparation method; is that	15	Q. And the two talc deposits, what
16	A. You just have to recalibrate	16	are you referring to?
17	for whatever you are whatever mineral you	17	A. I'm referring to Troy and
18	are interested in.	18	Newfane.
19	Q. All right. Now, my	19	Q. Do you have any idea if Imerys
20	understanding is the reason you developed	20	has ever mined talc from those two deposits?
21	your technique was so you could test the talc	21	A. I don't know.
22	faster. Is that a fair way to describe it?	22	MR. PROST: Ma'am, those are
23	Why did you develop your	23	all the questions that I have right
24	method?	24	now, but I might have some later and I
25	A. I developed my method because I	25	might come back. Thank you.
	Page 83		Page 85
1	wanted to be able to find the asbestos in	1	VIDEOGRAPHER: Going off the
2	there, and most of the time there was so much	2	record
3	talc you couldn't find anything. And also	3	MR. LANIER: We don't need to
4	the asbestos fibers sometimes hid underneath	4	go off the record. We're going to
5	the talc particles, so I wanted to separate	5	move.
6	them so I could see them and measure them.	6	MR. DUBIN: Should I have a
7	And I couldn't do in its original condition.	7	running objection to form or you want
8	Q. Now, there is an older way of	8	me to make them all the time?
9	testing talc for asbestos that people were	9	JUDGE NORTON: No, you don't
10	doing before your method that took a lot	10	have to. I'll let Mr. Lanier tell me
11	longer to do; is that true? Because of the	11	if he wants to change that.
12	problems you just described?	12	You know, I see the objections
13	A. I don't know how they did it.	13	to form being made primarily so that
14	Q. So, but one of the problems you	14	if the counsel had asked a question
15	were coming across and why you tried to	15	was to call you out and say what's
16	develop your method was that when you were	16	wrong with the form, that's the only
17	testing pharmaceutical or cosmetic-grade	17	way to make sure if he doesn't
18	talc, there was such extremely low levels of	18	care
19	amphiboles that it was taking too much time	19	MR. LANIER: I don't care.
20	to do it, and you wanted to find a faster	20	JUDGE NORTON: then they're
21	method; is that fair?	21	all preserved.
22	A. No, I wanted to be able to find	22	MR. DUBIN: All right. That's
23	it. You can't find it if you've got all of	23	great. That's what I figured.
24	that talc covering over what you're looking	24	JUDGE NORTON: So much easier.
25	for. So that's why I separate them, and then	25	I appreciate that.

22 (Pages 82 to 85)

	Dago 96		Daga 99
	Page 86		Page 88
1	REDIRECT EXAMINATION	1	would have a letter I or maybe a letter A or
2	QUESTIONS BY MR. LANIER:	2	a letter B or a letter C for the different
3	Q. All right. Dr. Blount, I want	3	samples, but would you change it each time?
4	to ask you some questions to clarify what's	4	A. Would I change it?
5	been asked by the lawyers for Johnson &	5	Q. Yeah. In other words, I
6 7	Johnson and Imerys.	6	thought explain this to the jury.
8	Okay? A. Uh-huh.	7 8	You were telling Mr. Dubin you
9	Q. First of all, the Johnson &	9	assigned the letters so that it would be blind.
10	Johnson lawyer asked you, are there different	10	A. Uh-huh.
11	kinds of amphiboles in tremolite, and you	11	Q. What does that mean? Explain
12	said yes.	12	to the jury what you meant.
13	Remember that?	13	A. Because I didn't want to know
14	A. Uh-huh.	14	which company it was from. I wanted to
15	Q. My question, the important one,	15	you know, because I think you might get bias
16	is did you find tremolite asbestos in an	16	that way and I didn't want to. I wanted to
17	asbestiform in Johnson & Johnson baby powder?	17	be fair.
18	Did you?	18	Q. So if Mr. Dubin thought that
19	A. Yeah.	19	you would always give an I to Johnson &
20	Q. Next subject. I was having	20	Johnson, then it wouldn't be blind at all,
21	trouble understanding about 1996, 1991, 1989,	21	would it?
22	purchase of baby powder.	22	A. That's right.
23	Did you test Johnson & Johnson	23	Q. So would your I sometimes it
24	baby powder more than once?	24	might be Johnson & Johnson
25	A. Yes.	25	A. Uh-huh.
	Page 87		Page 89
1	Q. And you may have written it up	1	Q sometimes not; is that fair?
2	once in a paper, but over the process of	2	A. Yes, that's fair.
3	however many times you tested it, did you	3	Q. That's how you make it blind,
4	consistently find asbestos in it?	4	right?
5	MR. DUBIN: Objection to form.	5	A. Right.
6	THE WITNESS: Yes.	6	Q. All right. Next section, next
7	QUESTIONS BY MR. LANIER:	7	area, topic. Different methods of different
8	Q. Now, you noticed when Mr. Dubin	8	experts.
9 10	handed you a different paper than the one you	9 10	Now, Mr. Dubin put his own spin
11	and I had discussed it was a book	11	into how he asked these questions
12	chapter A. Uh-huh.	12	MR. DUBIN: Objection to form. QUESTIONS BY MR. LANIER:
13	Q you said that was a	13	QUESTIONS BY MR. LANIER: Q and I want to make sure that
14	different method, it was done at different	14	we're clear.
15	times.	15	Before you criticize other
16	I guess this goes back to the	16	people and decide whether their science is
17	other. Have you done these tests more than	17	good or bad, would you want time to actually
18	once?	18	look at what they did and understand it?
19	A. Which tests are we talking	19	A. Uh-huh.
20	about?	20	Q. Is it important to you to study
21	Q. Tests to see if there's	21	what they did and why they did it before you
22	asbestos in Johnson & Johnson baby powder.	22	criticize them?
23	A. Yeah.	23	A. Yeah.
24	Q. All right. And then each time	24	Q. Thank you.
25	you did it, if you had enough samples, you	25	And in that same vein, if

23 (Pages 86 to 89)

	Page 90		Page 92
1	different methods are used by different	1	MR. DUBIN: Objection. Form.
2	experts, would you agree that companies	2	THE WITNESS: No, you didn't.
3	should use the best method that actually	3	QUESTIONS BY MR. LANIER:
4	finds asbestos if they want to find it?	4	Q. So, for example, when the
5	A. Yes.	5	lawyers start asking you about this and they
6	Q. Is that important?	6	talked about Mr. Dubin talked about what
7	A. That's important.	7	McCrone said, I didn't even remotely get into
8	Q. I mean, the company shouldn't	8	you about what Mr. McCrone or what McCrone
9	be playing okay. I got a 20-month-old	9	would say for J&J or for another company or
10	granddaughter.	10	whatever versus what the truth is.
11	MR. DUBIN: Object to form.	11	You and I never talked about
12	QUESTIONS BY MR. LANIER:	12	McCrone's testing, did we?
13	Q. And she's at the age now where	13	A. No, but he's dead anyway.
14	she likes to play hide and seek.	14	Q. He's dead anyway.
15	A. Uh-huh.	15	Is truth important in science?
16	Q. And she'll play hide and seek	16	A. Yes. Yes. Yes.
17	by pulling a napkin over her head at the	17	Q. Is it important that companies
18	table, and I pretend I can't see her. And	18	tell the truth?
19	she believes me when she drops the napkin	19	A. Yeah.
20	down and wants me to exclaim "there you are!"	20	MR. DUBIN: Objection. Form.
21	Are you with me?	21	QUESTIONS BY MR. LANIER:
22	A. Uh-huh.	22	Q. And so if, for example, we see
23	Q. I mean, a company should not be	23	the Exhibit 16 that you were asked about
24	playing hide and seek. A company should	24	where or as Mr. Dubin showed from the
25	really try to look for asbestos.	25	McCrone letterhead this comment that
23	Page 91		Page 93
-		_	
1	Would you agree with that?	1	"Windsor's product is free of asbestos.
2	A. Yeah.	2	That's always been our opinion and continues
3	MR. DUBIN: Objection. Form.	3	to be our opinion based over 15 years of
4	QUESTIONS BY MR. LANIER:	4	closely examining this product."
5	Q. Now, next topic. A lot of	5	Do you see that?
6	questions were asked by Mr. Dubin, and I	6	A. Uh-huh.
7	think even one by Mr. Prost, about what I	7	Q. That's what was shown to you
8	showed you, when Mr. Lanier and Mr. Dubin	8	just now by Mr. Dubin.
9	said this this is lawyer questioning:	9	What Mr. Dubin never showed you
10	"When Mr. Lanier prepared to you testify."	10	is what I'll mark as Exhibit Number 18.
11	Ma'am, I didn't prepare you to	11 12	(Blount Exhibit 18 marked for
12	testify in the sense of anything other than	13	identification.)
13	just explain to you what a deposition is and	13 14	QUESTIONS BY MR. LANIER:
14	ask you to tell the truth; is that right?	14 15	Q. Exhibit Number 18 is from that
15	A. That's right.	16	same McCrone, the people who told everybody
16 17	Q. And I didn't show you things,	16 17	that it's free of asbestos, that it's always been their opinion after 15 years of closely
18	you showed me things, because I just wanted to know what you knew; is that fair?	18	- · · · · · · · · · · · · · · · · · · ·
19	MR. DUBIN: Objection. Form.	19	examining you can go back 12 years before that, and that same McCrone says to Windsor,
20	THE WITNESS: Uh-huh.	20	•
21		21	the mine company, "We've analyzed your latest series of 24 talc ore samples for asbestiform
22	QUESTIONS BY MR. LANIER: Q. I wanted to know what you did,	22	minerals. In our entire series, we found
23	Q. I wanted to know what you did, and that's all we talked about. I didn't	23	only two asbestiform fibers, both
24	talk to you about what McCrone did, what	24	amphiboles."
. 47			
25	Julie Pier did or any of that, did I?	25	They made this with a

24 (Pages 90 to 93)

	Page 94		Page 96		
1	transmission electron microscope. So they	1	references. The answer is obvious on who		
2	found two in that sample that they did that	2	wrote it. Regardless, I cannot agree with		
3	day.	3	the position. We just don't have enough		
4	Do you see that?	4	facts. Geologically, it doesn't make sense		
5	A. Right.	5	to me you can have a mineral deposit that		
6	Q. And yet they'll tell everyone	6	just contains nonasbestiform tremolite. I		
7	else that it's free of asbestos, Windsor's	7	believe the USGS study of talc from Death		
8	product is free of asbestos, always been our	8	Valley, California, nailed it correctly. If		
9	opinion.	9	a deposit contains nonasbestiform tremolite,		
10	Is it important that what you	10	there is also asbestiform tremolite naturally		
11	tell the world be the truth that you actually	11	present as well."		
12	know?	12	Would you agree with that?		
13	Is that important?	13	In other words, if you've got		
14	A. Yeah.	14	non		
15	Q. I mean, would you say if you	15	A. If you have I'm trying to		
16	analyzed something, and in these 24 samples	16	Q. Oh, I'm sorry.		
17	that you got on this day you found a couple	17	A. So he said nonasbestiform		
18	of asbestiform fibers that were amphiboles	18	tremolite		
19	MR. DUBIN: Objection. Form.	19	Q. I'll tell you what, I'm going		
20	QUESTIONS BY MR. LANIER:	20	to move on in the interest of time. And		
21	Q would you say that it's	21	because I have not designated you as an		
22	asbestos-free?	22	expert, I'm not sure that's a fair question		
23	A. No.	23	for me to ask.		
24	MR. DUBIN: Objection. Form.	24	A. Okay.		
25	(Blount Exhibit 19 marked for	25	Q. Then the last thing I need to		
	Page 95		Page 97		
1	identification.)	1	talk to you about in regards to what the		
2	QUESTIONS BY MR. LANIER:	2	lawyers asked you is the lawyer from Imerys		
3	Q. All right. By the same token,	3	asked you about Julie Pier's tests and		
4	I'll show you Exhibit Number 18 which is from		accused me of not showing you those.		
5	the mine company. 19.	5	I'm going to show you one of		
6	Let me mark that as Exhibit 18.	6	those so that nobody feels I shorted you.		
7	Let me show you Exhibit	7	We'll mark this as Exhibit Number 20.		
8	Number 19. Here's a copy for you.	8	(Blount Exhibit 20 marked for		
9	Exhibit Number 19. And again,	9	identification.)		
10	I didn't show you these things because I was	10	QUESTIONS BY MR. LANIER:		
11	asking you about what facts you knew, right?	11	Q. This is Julie Pier, Luzenac,		
12	A. Uh-huh. Right.	12	May of 2002, and this is her analysis of		
13	Q. All right. But now if they	13	fibrous material from the Argonaut waste		
14	want me to show you these things, here's	14	rock.		
15	another one about an article on asbestos, and	15 16	So this is rock that is left		
16	this is from within the company that's now	16 17	over from their mining at Argonaut that		
17	it's Rio Tinto Minerals at the time. It's	17	they're thinking about putting on our roads.		
18 19	now known as Imerys.	18 19	A. Uh-huh.		
20	But in the process of this, they say on the second page, "I'd seen and	20	Q. It says and Argonaut, by the way, that's Vermont; is that right?		
21	read this article, and my first reaction was,	21	A. Uh-huh, that's right.		
22	'Who really wrote this paper for John's	22	Q "a sample of fibrous		
23	signature?' I know John, he's a fairly	23	material from the waste rock on the west side		
24	technical person, but excuse me, he would not	24	of the south end of the Argonaut, Vermont,		
25	write such an article and cite 129	25	mine was submitted to the technical center		

25 (Pages 94 to 97)

Page 98 Page 100 1 for identification. Result: The fibrous 1 different each time so -- in different order 2 2 material is tremolite. This was examined by so that I don't -- have no idea which one's 3 polarizing light microscopy using the 3 which when I'm running it so I'm not biased 4 4 subconsciously, because that could happen. dispersion staining technique." 5 That's yours, isn't it? 5 So that's why I put these numbers. 6 A. Uh-huh, that's the one we were 6 Unfortunately, I didn't make a 7 7 good enough record, and I think some of them using, yeah. 8 "Tremolite was preliminarily 8 got a little mixed up. 9 identified by this method. Subsequent 9 Q. And so I don't know if you 10 10 still have the exhibits with you; otherwise I analysis by scanning electron microscope and transmission electron microscopy confirmed can mark something different. 11 11 12 the tremolite identification." 12 But -- so we see -- can I turn 13 If we want to know if Julie 13 the Elmo back on, sir? 14 14 Pier thought there was asbestos in the So this is -- we looked at this 15 Vermont mines, I could have shown you this, 15 before. It was Exhibit 8. And here you're 16 couldn't I? 16 talking about how -- you're writing to the 17 17 lawyers for Johnson & Johnson and you're MR. DUBIN: Objection. Form. saying, "Johnson & Johnson, I've looked at it 18 THE WITNESS: Uh-huh. 18 19 as labeled -- sample labeled I by traditional 19 QUESTIONS BY MR. LANIER: methods. See Table 2, 567 in the 1990 20 Q. I just didn't because I wanted 20 21 to know what you found. 21 paper," right? MR. DUBIN: Objection. Form. 22 22 Uh-huh. A. 23 **QUESTIONS BY MR. LANIER:** 23 So this is the 1990 paper we 24 24 talked about that had some results for Is that fair? 2.5 A. Yes, that's fair. 25 Johnson & Johnson. Page 99 Page 101 1 And, ma'am, has your opinion 1 Uh-huh. A. 2 changed at all? Did you find asbestos in the 2 So the next time you look at O. Johnson & Johnson baby products sold on the Johnson & Johnson, though -- the next time 3 3 4 shelves on multiple occasions? 4 you have a Sample I, that's not going to be 5 Johnson & Johnson anymore, right? 5 A. I did. 6 MR. LANIER: Thank you. 6 A. Yeah, probably not. 7 7 And so when you do your Pass the witness. 8 8 analysis for your 1991 paper, "Amphibole RECROSS-EXAMINATION 9 9 Content of Cosmetic and Pharmaceutical **QUESTIONS BY MR. DUBIN:** 10 Q. Hey, how are you? We're almost 10 Talcs," and you've got results for Sample I, done. Don't worry about it. 11 11 because you've randomly blinded this, it's 12 Okay. So first, I didn't quite 12 likely that I isn't going to be Johnson & 13 understand your -- one thing that you were 13 Johnson again, right? talking about with Mr. Lanier, so I just want 14 Yeah, it may not be. 14 A. 15 to clarify it, this idea of blinding samples. 15 Okay. And a couple other Q. 16 So as I understand it, if you 16 auestions. 17 have a Sample I -- and, for example, let's 17 So was this -- you were asked 18 say that's a Johnson & Johnson product --18 about how many times you've looked at Johnson 19 then the next time you don't want that 19 & Johnson. 20 Sample I necessarily to be Johnson & Johnson 20 Was the bottle that we've got because then you'll know what the results are 21 as Exhibit 14, was that the first one that 21 22 before you start, right? 22 you bought to analyze? 23 A. I don't want to -- let me -- I 23 A. I bought that one last -- in 24 won't know -- even if I put "I" there, I 24 New Jersey. It may not have been the first 25 wouldn't know -- I want the letters to be 25

26 (Pages 98 to 101)

	Page 102		Page 104
1		1	
1 2	Q. Do you have any results of any analysis that you did on any other bottles	1 2	Q. In particular, for example, there may be areas towards the edges of talc
3	than this one?	3	
4	A. I'll have to look. I don't	4	deposits where the talc comes into contact
5	know.	5	with things like country rock, or you call it black rock, or the like, right?
6	Q. Okay. And fair to say, though,	6	A. Uh-huh.
7	you've kept this bottle for now somebody	7	Q. And so at those edges of those
8	help me with the math 23? 22 years,	8	deposits, if you sample over there, you might
9	right?	9	be more likely to find asbestos because it's
10	A. 22 years.	10	in conjunction with that harder rock mineral,
11	Q. And if you had tested other	11	and there's also different minerals that can
12	bottles of Johnson & Johnson, any reason that	12	come into play because of where it is
13	you wouldn't have maintained those also?	13	geologically, right?
14	A. I don't know.	14	A. Yes, they are not really
15	Q. Okay. But at least sitting	15	homogeneous, most deposits.
16	here today, there's no results of any other	16	Q. And so it's important to
17	testing that I can take a look at that we	17	consider, when you're looking at a result of
18	have with us, right?	18	a talc sample, where that talc sample was
19	A. With us today, don't think so.	19	actually taken from in a deposit, right?
20	Q. And one of the things you were	20	A. Right.
21	asked a little bit about was a document	21	Q. Okay. And you were asked a
22	pertaining to McCrone, some McCrone analysis	22	little bit about hide and seek and all the
23	in the 1970s Mr. Lanier showed you, right?	23	like.
24	A. Uh-huh.	24	First, do you agree that an
25	Q. Do you even know whether the	25	expert should not change their testing
	Page 103		Page 105
1	samples that were being analyzed in that	1	methodology just based on who is paying them
2	in that document were samples of talc that	2	in a litigation?
3	would have gone into Johnson & Johnson baby	3	A. Right.
4	powder?	4	Q. Right?
5	A. I don't think so.	5	And do you agree that if you're
6	Q. You don't know that, right?	6	trying to answer the question whether there's
7	A. Do you have that do you have	7	asbestos in a material, you should use
8	that thing to look at?	8	methods that help you distinguish between
9	Q. Well, he gave you the document	9	asbestiform and nonasbestiform amphiboles,
10	before.	10	right?
11	Well, for example, do you know	11	If that's the if the
12	what the code HC means in that context?	12	question you're being asked is, is there
13	A. HC? No.	13	asbestos, you should use the right methods to
14	Q. Do you know whether it could be	14	answer that question, right?
15	an industrial talc?	15	A. Right.
16	You just don't know how Johnson	16	MR. DUBIN: No further
17	& Johnson used those numbers, right? Or	17	questions.
18	letters, sorry. H is a letter.	18	MR. PROST: No questions.
19	A. No, I don't.	19	FURTHER REDIRECT EXAMINATION
20	Q. And you were asked a little bit	20	QUESTIONS BY MR. LANIER:
21	about waste rock.	21	Q. Dr. Blount, after all these
22	Is it fair to say that when you	22	questions are said and done, after everything
23	look at a large talc deposit, there may be	23	that's been discussed, just based on what you
24	geological diversity in that deposit? Right?	24	did in your work, in your life, never
25	A. More than likely.	25	dreaming lawyers would contact you, can you

27 (Pages 102 to 105)

	Page 106		Page 108
1	affirm that for decades, in the '80s and the	1	CERTIFICATE
2	'90s, at least, into the 2000s, Johnson &	2	I, CARRIE A. CAMPBELL, Registered
3	Johnson baby powder sold on the shelves had		Diplomate Reporter, Certified Realtime
4	asbestos and asbestiform in it?	4	Reporter and Certified Shorthand Reporter, do hereby certify that prior to the commencement
5	MR. DUBIN: Objection. Form.	5	of the examination, Alice M. Blount, Ph.D.,
6	THE WITNESS: Yes.	6	was duly sworn by me to testify to the truth, the whole truth and nothing but the truth.
7	MR. LANIER: Thank you. That's	7	I DO FURTHER CERTIFY that the foregoing is a verbatim transcript of the
8	all we've got.	8	testimony as taken stenographically by and
9	FURTHER RECROSS-EXAMINATION	9	before me at the time, place and on the date hereinbefore set forth, to the best of my
10	QUESTIONS BY MR. DUBIN:	10	ability.
11	Q. You were asked a very general		I DO FURTHER CERTIFY that I am
12	question by Mr. Lanier.	11	neither a relative nor employee nor attorney nor counsel of any of the parties to this
13	Do you agree that the best way	12	action, and that I am neither a relative nor employee of such attorney or counsel, and
14	to determine whether or not there was	13	that I am not financially interested in the
15	asbestos in these products is to look at the	14	action.
16	actual testing results?	15	
17	A. Look at test yeah.	17	CARRIE A. CAMPBELL,
18	Q. Right.	18	NCRA Registered Diplomate Reporter Certified Realtime Reporter
19	And so other than whatever we		California Certified Shorthand
20	have in your papers that you brought here	19	Reporter #13921 Missouri Certified Court Reporter #859
21	today, we have none of these test results	20	Illinois Certified Shorthand Reporter #084-004229
22	that you're supposedly relying on for	21	Texas Certified Shorthand Reporter #9328
23	opinions in the '70s, '80s, '90s about	22	Kansas Certified Court Reporter #1715 Notary Public
24	Johnson & Johnson talc to look at today,	23	Dated: April 13, 2018
25	right?	24 25	
	Page 107		Page 109
1	A. Yes.	1	INSTRUCTIONS TO WITNESS
2	FURTHER REDIRECT EXAMINATION	2	
3	QUESTIONS BY MR. LANIER:	3	Please read your deposition over
4	Q. But you're the one who did the	4	carefully and make any necessary corrections.
5	work, aren't you?	5	You should state the reason in the
6	A. Yes.	6	appropriate space on the errata sheet for any
7	Q. So these are your test results	7	corrections that are made.
8	you're talking about. We don't need a sheet	8	After doing so, please sign the
9	of paper, do we?	9	errata sheet and date it. You are signing
10	A. We're using kind of concept	10	same subject to the changes you have noted on
11	method anyway.	11	the errata sheet, which will be attached to
12	MR. LANIER: Okay. Thank you.	12	your deposition.
13	MR. DUBIN: We can do this	13	It is imperative that you return
14	forever, I suppose. All right. Let's	14	the original errata sheet to the deposing
15	quit.	15	attorney within thirty (30) days of receipt
16	MR. LANIER: Thank you,	16	of the deposition transcript by you. If you
17	Dr. Blount.	17	fail to do so, the deposition transcript may
18	VIDEOGRAPHER: This concludes	18	be deemed to be accurate and may be used in
19	the April 13, 2018 deposition of	19	court.
20	Dr. Blount. Going off the record.	20	
21	The time is 11:25.	21	
22	(Deposition concluded at 11:25 a.m.)	22	
23		23	
24		24	
25		25	

28 (Pages 106 to 109)

	Page 110			
1	ACKNOWLEDGMENT OF DEPONENT	1		
2		0		LAWYER'S NOTES
4	I,, do hereby certify that I have read the foregoing	2 3	PAGE	LINE
5	hereby certify that I have read the foregoing pages and that the same is a correct	4		
	transcription of the answers given by me to	5		
6	the questions therein propounded, except for the corrections or changes in form or	6 7		
7	substance, if any, noted in the attached	8		
8	Errata Sheet.	9		
9		10 11		
10 11		12		
12		13		
13	Alice M. Blount, Ph.D. DATE	14		
14		15 16		
15 16	Subscribed and sworn to before me this	17		
17	day of, 20 My commission expires:	18		
18 19	Notary Public	19 20		
20	round rubit	21		
21 22		22		
23		23 24		
24 25		24 25		
_				
1	ERRATA			
2 3 4	PAGE LINE CHANGE			
5	REASON:			
7	REASON:			
8				
9 10	REASON:			
11	REASON:			
12				
13 14	REASON:			
15	REASON:			
16				
17 18	REASON:			
18 19	REASON:			
20				
21 22	REASON:			
23 24	REASON:			
25	REASON:			

29 (Pages 110 to 112)

	I		I	I
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Exhibit 20

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       IN THE UNITED STATES DISTRICT COURT
     FOR THE EASTERN DISTRICT OF NEW JERSEY
3
4
     IN RE: JOHNSON &
5
     JOHNSON TALCUM POWDER
     PRODUCTS MARKETING,
     SALES PRACTICES, AND : NO. 16-2738
6
     PRODUCTS LIABILITY
                             : (FLW) (LHG)
7
     LITIGATION
8
     THIS DOCUMENT RELATES
     TO ALL CASES
9
                      VOLUME I
10
11
                 August 16, 2018
12
13
14
                 Videotaped deposition of
    JOHN HOPKINS, Ph.D., taken pursuant to
15
    notice, was held at the law offices of
    Orrick, LLP, 51 West 52nd Street,
16
    Philadelphia, Pennsylvania, beginning at
    9:39 a.m., on the above date, before
    Michelle L. Gray, a Registered
17
    Professional Reporter, Certified
    Shorthand Reporter, Certified Realtime
18
    Reporter, and Notary Public.
19
2.0
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           GOLKOW LITIGATION SERVICES
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            David Egilman, M.D.
            Triet Tran
9
            Alicia Rocha
            (Research analysts for
10
            Dr. Egilman)
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1 2 MR. SILVER: Good morning, 3 everyone. This is Mark Silver on 4 behalf of Imerys. I notice in the 5 room today there is a Dr. Egilman 6 who is not counsel of record. 7 It is Imerys' position that 8 this is a violation of CMO 11 to 9 have him present. This is J&J's 10 dep, and I will allow them to 11 determine whether or not they ask 12 him to leave, but Imerys objects. 13 In Imerys depositions, we will not 14 allow non-counsel to be present. 15 Also to the extent that 16 Imerys and Dr. Egilman are having 17 disputes in other jurisdictions as 18 to what is determined to be a 19 confidential document, we will 20 remind the PSC that if Imerys 21 confidential documents are to be 22 used in this deposition, they are 23 subject to a protective order and 24 disclosure and will be -- remedies

1	will be sought if they are
2	disclosed. That's it.
3	MR. LOCKE: PCPC joins.
4	MR. BICKS: This is Peter
5	Bicks for Johnson & Johnson. I
6	guess I would ask is it
7	Mr. Placitella? You're taking the
8	deposition?
9	MR. PLACITELLA: I am.
10	MR. BICKS: It was brought
11	to my attention that there is a
12	Case Management Order Number 11
13	that I gather the parties have
14	agreed to that defines who may be
15	present at the deposition.
16	And it specifically lists
17	who those who may be at this
18	deposition. I guess I'm just
19	asking your position on the
20	presence of Dr. Egilman within the
21	confines of the court order,
22	because I don't want to be in a
23	position of in any way violating
24	any court order. And I'm happy to

1	show you the provision if you
2	haven't seen it.
3	MR. PLACITELLA: I think I
4	know what you're talking about.
5	But you can read into the record
6	whatever you think is appropriate.
7	MR. BICKS: Right. So this
8	is Case Management Order Number
9	11, and it's Paragraph 3. It
10	says, "Who may be present at the
11	deposition."
12	And it says, "Unless
13	otherwise ordered under Federal
14	Civ Pro 26(c) or otherwise agreed
15	to by the PSC or defense lead or
16	liaison counsel, depositions may
17	be attended in person only by
18	counsel of record in this MDL or
19	state court talc counsel of record
20	and employees of their firms who
21	are assisting in the litigation
22	and whose presence is reasonably
23	required by the attorney,
24	attorneys especially engaged by a

1	party for purposes of the
2	deposition, the parties or the
3	representative of a party,
4	including inhouse counsel, court
5	reporters, videographers, the
6	deponent and counsel for the
7	deponent.
8	"Upon application and for
9	good cause shown, the Court may
10	permit attendance by a person who
11	does not fall within any of the
12	categories set forth in the
13	preceding sentence.
14	"While the deponent is being
15	examined under any stamped
16	confidential document or the
17	confidential information contained
18	therein, persons to whom
19	disclosure is not authorized under
20	an MDL 2592 protective order shall
21	be excluded from the deposition."
22	That's what this order says.
23	I have seen orders in other cases
24	where experts, consultants are

1	allowed in depositions. It's just
2	that the order that the parties
3	and the court has in place here
4	doesn't have that provision that
5	I've seen in other cases. And I
6	don't want to be somebody
7	violating a federal court order.
8	So I assume you've looked at
9	this, know all about it, and
10	there's something that explains
11	it. But I this is what the
12	order says.
13	MR. PLACITELLA: Well, I'll
14	let Ms. Parfitt address that. But
15	this is what I understand. Two
16	days ago we gave notice that
16	days ago we gave notice that Dr. Egilman would be here as our
17	Dr. Egilman would be here as our
17	Dr. Egilman would be here as our consultant.
17 18 19	Dr. Egilman would be here as our consultant. There was an exchange
17 18 19 20	Dr. Egilman would be here as our consultant. There was an exchange yesterday with Susan Sharko
17 18 19 20 21	Dr. Egilman would be here as our consultant. There was an exchange yesterday with Susan Sharko specifically about his attendance.

1	objection was raised.
2	
	Based on the fact that no
3	objection was raised until two
4	minutes ago, Dr. Egilman traveled
5	here from Providence, and I guess
6	unless you're now raising an
7	objection that should have been
8	raised before, we're ready to
9	proceed.
10	MR. SILVER: For the record,
11	are you representing that the
12	notification went to me?
13	MR. LOCKE: Or to me?
14	MS. O'DELL: Well, those
15	communications were to Ms. Sharko
16	and you were on those e-mails.
17	MR. BICKS: Yeah, that was
18	yesterday.
19	MS. PARFITT: Yesterday
20	morning.
21	MR. BICKS: Right.
22	MS. O'DELL: And trusting
23	that Susan would convey that to
24	you.

1	MR. BICKS: Right.
2	MS. O'DELL: Our position is
3	that there could be an agreement
4	of the parties for a person to
5	attend. And to the degree that
6	the order requires protective
7	order being signed, Dr. Egilman
8	has done that. There's compliance
9	in that regard.
10	MS. PARFITT: Susan has been
11	notified. If there's a change in
12	the deposition, someone has taken
13	the lead from J&J to communicate
14	or Imerys. And Mark has always
15	taken the lead of circulating
16	information. I suspect what
17	happened here is that was not done
18	by Susan.
19	MR. LOCKE: I guess I'm
20	often in the dark about changes.
21	So for the future, if you have
22	something that affects all the
23	parties, and most of it this does,
24	including who attends a

1	deposition, you should give notice
2	to everyone. It's not that hard.
3	Just two or three names on an
4	e-mail.
5	MR. PLACITELLA: Fair
6	enough. If you'll have a real
7	issue about me asking a question
8	using an Imerys document, we can
9	address it at that time.
10	And if you have a problem
11	with it, we'll ask Dr. Egilman to
12	leave the room if you really have
13	a problem with it when I ask him
14	about an Imerys document, if
15	that's a problem, which I think
16	there are about eight in my box of
17	250.
18	MR. SILVER: I put my
19	objection on the record. We
20	can I'm not going to stop the
21	dep. We'll go forward, and we'll
22	deal with Imerys documents as they
23	come.
24	MR. PLACITELLA: All right.

1	I don't want to have an issue.
2	MR. LOCKE: Same for the
3	Personal Care Products Council.
4	MR. PLACITELLA: If I find a
5	document of yours during the dep,
6	I'll make the same offer. I'm not
7	sure there's one in that box. But
8	maybe you've got a few over there
9	that we can talk about.
10	MR. BICKS: The
11	representation was made on the
12	record that Dr. Egilman has signed
13	the confidentiality order in the
14	case. May I have a copy of that,
15	please.
16	MS. O'DELL: I don't have it
17	with me.
18	MR. BICKS: But you made a
19	representation on the record that
20	it's already been signed.
21	MS. O'DELL: That's my
22	understanding.
23	MR. PLACITELLA: If there is
24	an issue, he'll re-sign it now.

1	MR. BICKS: I think we
2	should have it signed
3	MR. PLACITELLA: He agrees
4	to be bound.
5	MR. BICKS: and
6	completed. Okay. And we can just
7	have it completed, that would be
8	wonderful.
9	MR. PLACITELLA: No problem.
10	MR. BICKS: Thank you.
11	MR. PLACITELLA: We can sign
12	it during the break, so we don't
13	have to.
14	MR. BICKS: But you've
15	already said it's been signed.
16	MS. O'DELL: That's my
17	understanding. I don't have a
18	copy with me. If you want him to
19	sign it again. I would just need
20	some help filling it out.
21	MR. PLACITELLA: We can do
22	it now if you want.
23	MR. BICKS: Let's go. You
24	said it's already been signed.

1	MR. PLACITELLA: Yeah, but
2	in case somebody made a mistake, I
3	don't want to have an issue. So
4	if you want to take two minutes
5	and let him sign.
6	MR. KLATT: Y'all agree that
7	he's bound by it. As far as I'm
8	concerned, he can just produce one
9	at the next break.
10	MR. PLACITELLA: All right.
11	But all I'm saying if there is a
12	mistake and he signed all the
13	state ones and not the federal
14	ones, I don't want to have an
15	issue. If you want him to sign it
16	before we start, let him sign it.
17	MR. KLATT: Look, your
18	counsel has represented that he
19	signed it. Whether he has or not,
20	you all agree he's bound by it. I
21	think we're good to go till the
22	next break.
23	
24	THE VIDEOGRAPHER: We are

now on the record. My name is Henry Marte. I'm a videographer with Golkow Litigation Services. Today's date is August 16, 2018. And the time is 9:39 a.m. This videotaped deposition is being held at 51 West 52nd Street, New York, New York, in the matter of talcum powder litigation. The deponent today is John Hopkins. All appearances will be noted on the stenographic record. Will the court reporter please administer the oath to the witness. Heave and the sterified as follows: EXAMINATION EXAMINATION		
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23 EXAMINATION	21	examined and testified as follows:
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	23	EXAMINATION
	24	

1 BY MR. PLACITELLA: 2 Good morning, Dr. Hopkins. Q. 3 Good morning. Α. 4 Nice to see you again. 0. 5 We're here for purposes of 6 your -- taking your deposition, you're --7 have been designated as the corporate 8 representative of Johnson & Johnson in 9 these cases. 10 You're aware of that? 11 Α. I am indeed, yes. 12 Okay. You have in front of Q. 13 you a notice of deposition that was 14 served in this case and that you are 15 testifying pursuant to. 16 (Document marked for 17 identification as Exhibit 18 Hopkins-1.) 19 BY MR. PLACITELLA: 20 Do you want to show it to Ο. 21 your counsel? 22 Yes, I have seen this. Α. 23 And you understand Okay. 0. 24 that you're here to address the topics

- that are listed in that notice?
- A. I do, yes.
- ³ Q. Okay. You understand that,
- ⁴ just to go brief -- go over briefly, in
- this deposition you're here to address,
- on behalf of Johnson & Johnson, the
- 7 composition of Johnson & Johnson's talcum
- powder products, correct?
- ⁹ A. Correct.
- 10 O. That would include the
- identity of Johnson & Johnson's talcum
- powder products, correct?
- 13 A. Yes.
- Q. The formulas and composition
- of Johnson & Johnson's talcum powder
- 16 products?
- A. Yes.
- Q. Correct?
- The suppliers and mines that
- ²⁰ are responsible for the Johnson & Johnson
- talcum powder products, correct?
- A. Correct, yes.
- Q. You are here to testify
- concerning the entities responsible for

- ¹ the composition and purity testing and
- ² standards relating to those products?
- A. Yes, correct.
- O. The location and owner of
- 5 the talc lines that supply the J&J talc?
- ⁶ A. Yes.
- ⁷ Q. The talc composition and
- 9 purity testing and processing entities?
- ⁹ A. Yes.
- 10 O. The allowable amounts of
- 11 non-talc constituents in J&J talcum
- powder products?
- 13 A. Yes.
- Q. The testing of talc intended
- 15 for use in the talcum powder products?
- A. Yes.
- O. That would include
- sensitivity and specificity testing?
- 19 A. Yes.
- Q. The testing for asbestos and
- other contaminants?
- A. Yes, correct.
- Q. The identity of testing
- methodologies that were available, both

- ¹ used and not used?
- ² A. Yes.
- Q. Testing protocols?
- ⁴ A. Yes.
- ⁵ Q. Testing performed by
- 6 nonparties at J&J's direction?
- ⁷ A. Yes.
- Q. And the sampling and
- 9 protocols relating to the sampling of
- those products, correct?
- 11 A. Yes.
- 12 Q. Now, you have been
- designated as the person most qualified
- to address those issues, correct?
- 15 A. That is my understanding,
- 16 yes.
- Q. Okay. Why are you the one
- most qualified?
- 19 A. I have a lot of experience
- with Johnson & Johnson. I joined the
- company in 1976. And was involved in
- many aspects of what we've been talking
- about for many, many years.
- Q. And what did you do to

- prepare for today's deposition?
- A. I've read a significant
- amount of documentation in the past week
- ⁴ and in the previous week.
- In addition to that, I have
- ⁶ been involved in other litigation issues,
- ⁷ and I have read documentation for those
- 8 litigation issues in addition.
- 9 Q. What specifically did you
- 10 review in preparation for this
- deposition?
- 12 A. I believe I've read pretty
- well all of the documentation that would
- support being able to give an answer to
- each of those topics that you raised in
- 16 the last few minutes.
- Q. Okay. And is there a
- compendium of documents, a book of
- documents that you looked at?
- A. I understand that all of the
- documents that I've read are being
- submitted to the court and have already
- been made available to the court.
- Q. No, I understand that. But

```
1
    are the documents all gathered in one
    place that you've taken a look at?
2
3
           Α.
                  Yes.
4
                  And where are they?
           0.
5
                  I don't have them. The
           Α.
6
    attorneys will have those.
7
                  Were they in a book, a
           Q.
8
    binder?
9
                  A book -- a binder.
           Α.
10
                  And what was it labeled?
           0.
11
                  It was labeled with this --
           Α.
12
    with this heading for this litigation,
13
    this deposition.
14
           Q.
                  Okay.
15
                  MR. BICKS: Counsel, I
16
           think -- and you can tell me if I
17
           have this wrong, the collection
18
           and compendium of documents are
19
           typically viewed as work product.
20
                  It's my understanding in
21
           this court, and if I have an
22
           incorrect understanding, I'd like
23
           you to -- I'm happy to discuss
24
           that with you. But that's my
```

```
1
           typical understanding. I can tell
2
           you that you're aware of all the
3
           documents and you have them.
4
    BY MR. PLACITELLA:
5
                 Okay. How many binders were
           0.
6
    there?
7
           Α.
                 Four.
8
                 All right. Who did you
           0.
9
    speak with, other than counsel in order
10
    to prepare for today's deposition?
11
                 No one other than counsel
12
    for this deposition.
13
                 Having had the opportunity
14
    to review the documents that you thought
15
    were important, what questions remain
16
    unanswered in your mind that are the
17
    subject of the notice of this deposition?
18
                  MR. BICKS:
                              No foundation.
19
           Go ahead.
20
                  THE WITNESS: I wasn't aware
21
           there were new documents that I
22
           had not seen before. And I was
23
           not aware of any issues that
24
           have -- that remained unanswered.
```

- 1 BY MR. PLACITELLA:
- Q. Okay. Now, you understand
- that we're here to find out what
- ⁴ information Johnson & Johnson has or had
- ⁵ relevant to the topics of this
- 6 deposition, correct?
- A. That's my understanding,
- ⁸ yes.
- 9 O. We would -- in this
- deposition we'll be asking for -- we'd
- want to know what the source of the
- information is, correct?
- 13 A. Yes.
- Q. Okay. We would want to know
- what specifically was related to Johnson
- 16 & Johnson or discussed by Johnson &
- Johnson. Do you understand that?
- 18 A. I do. Yes.
- 0. Okay. And what we're
- looking for here is what Johnson &
- Johnson knew or was advised of and
- whether you're aware of information that
- supports that contemporaneously with
- those advices.

1 Do you understand that? 2 I do, yes. Α. 3 Do you understand that Q. 4 you're not here as an expert witness, 5 correct? 6 I do understand that, yes. 7 We're not looking for any 0. 8 opinions from you. 9 Do you understand that? 10 I understand that, yes. Α. 11 Okay. We're not asking you Ο. 12 to interpret the information that we're 13 here to find out in terms of what was 14 related to or discussed at Johnson & 15 Johnson. 16 Do you understand that? 17 I do, yes. Α. 18 Do you understand that we're 0. 19 not here to debate the science and the 20 methodology of the testing that's 21 discussed, correct? 22 Α. Correct. Yes. 23 Q. Okay. We're not here to 24 debate -- so I just want to make sure

- we're all on the same page.
- What we're here to find out
- 3 is what Johnson & Johnson knew and what
- ⁴ information you had that
- 5 contemporaneously supports that
- 6 information.
- You got that?
- 8 A. Okay.
- 9 MR. BICKS: Counsel, I only
- object in the sense that it's a
- 30(b)(6) deposition, and you
- recited all the categories that
- we're here to talk about.
- 14 BY MR. PLACITELLA:
- O. Okay. Now, you've testified
- before in litigation involving Johnson &
- Johnson talc and injuries related to that
- talc, correct?
- A. Correct, yes.
- Q. How many times?
- A. In the past year including
- deposition and trial witness, this would
- 23 be number eight.
- Q. And how many trials? Am

```
1
    I -- am I correct that it's three at this
2
    point?
3
                 This year?
           Α.
4
           0.
                 Yes.
5
           Α.
                 Yes.
6
                 And have you covered in
           0.
7
    those trials and the other depositions
8
    any -- well, strike that.
9
                  Is any of the topics that --
10
                  MR. PLACITELLA: God bless
11
           you.
12
    BY MR. PLACITELLA:
13
                 Any of the topics that you
14
    were asked to address here today not
15
    covered in your prior testimony?
16
                  MR. BICKS: Objection to the
17
           form.
18
                  THE WITNESS: Yeah, it
19
           depends on how we interpret what
20
           you'd like me to talk about today.
21
           Certainly some of the questions
22
           that may be asked in previous
23
           testimony may be phrased
24
           differently. But substantially,
```

- we're talking about information
- held in Johnson & Johnson's files.
- 3 BY MR. PLACITELLA:
- O. Okay. You understand that
- ⁵ in testifying today, your testimony will
- bind Johnson & Johnson, correct?
- A. I understand that, yes.
- 8 O. You're like all the
- 9 executives at Johnson & Johnson rolled
- into one?
- A. How nice.
- Q. Okay. Now, you're currently
- a resident of Great Britain?
- 14 A. That is correct, yes.
- 0. Okay. And you have never
- been a U.S. citizen, correct?
- ¹⁷ A. No.
- Q. Do you have a bachelor of
- 19 chemistry and biochemistry from the
- University of Saint Andrews in Scotland?
- A. I do, yes.
- Q. And am I correct that you
- started with Johnson & Johnson in the UK
- ²⁴ in 1976?

- A. I did, yes.
- Q. And you kept that position
- ³ until 1994?
- ⁴ A. Yes.
- ⁵ Q. And during that time, you
- 6 worked in the medical department?
- ⁷ A. Yes.
- 9 Q. You worked in safety and
- 9 toxicology?
- 10 A. Yes, I did. Yes.
- Q. And you were head of R&D in
- the UK for Johnson & Johnson?
- A. Up until '94, yes. End of
- ¹⁴ '94, yes.
- O. And in 1995 you came to the
- ¹⁶ United States?
- A. I did, yes.
- Q. And after you relocated to
- the United States, you continued to work
- for Johnson & Johnson?
- A. Yes, yes. I was based in
- ²² the United States.
- Q. Okay. And when you came to
- the United States, you were responsible

- for R&D for baby products worldwide; is
- ² that fair?
- A. That is correct, yes.
- 4 O. And you left Johnson &
- ⁵ Johnson in 1998?
- 6 A. No. At the end of 1998, I
- ⁷ left the United States --
- 9 Okay.
- 9 A. -- and I moved to Johnson &
- Johnson France for 1999 until April, May
- ¹¹ 2000.
- Q. Okay. And at that point in
- time, you left the formal employ of
- ¹⁴ Johnson & Johnson?
- 15 A. In April, May 2000. Yes.
- 16 Q. Now, after 2000 you remained
- as a consultant to Johnson & Johnson
- until approximately 2011?
- A. I didn't think it was as
- late as 2011. I think it was more like
- 21 2007, '8 I did some consulting work for
- the European countries, yes.
- Q. So your consulting work for
- Johnson & Johnson terminated in 2008?

- A. Approximately, yes. As I
- ² recollect, yes.
- Q. During what period of time
- 4 did you work for Johnson & Johnson as a
- ⁵ litigation consultant concerning talc?
- 6 A. I did -- it was a trial in
- ⁷ South Dakota in 2012. That was -- that
- was one I did there. And then there have
- ⁹ been several since then.
- Q. Am I correct that you worked
- on litigation related to talk from 19 --
- 12 for Johnson & Johnson from 1995 all the
- way to the present?
- A. I have -- if I've been asked
- ¹⁵ for an opinion, a litigation opinion,
- 16 I've endeavored to provide that opinion,
- 17 yes.
- Q. Okay. Now, you are not a
- 19 geologist, correct?
- A. That is correct.
- Q. You are not a microscopist.
- You know what I mean by microscopist?
- A. Yes, I do.
- Q. What do I -- what is your

- ¹ understanding?
- 2 A. Someone who has hands-on
- ³ experience day after day with a
- 4 microscope.
- ⁵ Q. And you've never looked at,
- of under a microscope, for -- at Johnson &
- ⁷ Johnson talc for contaminants, correct?
- A. Personally, no, I've not.
- 9 Q. Okay. One of the topics
- that you're here to talk about are the
- 11 formulas as they relate to the Johnson &
- Johnson baby power -- Baby Powder and
- 13 Shower to Shower products, correct?
- 14 A. Yes.
- 0. Okay. What's the difference
- in your mind between a formula and a
- 17 specification as it relates to Johnson &
- 18 Johnson?
- A. Okay. A formula describes
- the components that go into a product.
- 21 So if you take Johnson's Baby Powder,
- it's over 99 percent talc, and a little
- bit of fragrance. So that's the formula,
- ²⁴ just two components.

- Some formulas in some
- 2 products would have three or four
- ³ different ingredients. There may be
- 4 cornstarch, baking soda, fragrance, et
- ⁵ cetera.
- Specification describes the
- ⁷ properties of a product. What it looks
- 8 like, smells like, feels like, are there
- ⁹ any microbes present. It could measure
- the properties such as any trace
- 11 elements. So the specification lists
- those points and sets a limit as to what
- that quality of those products are. So
- the two are quite different.
- Q. And is it your understanding
- now that Johnson & Johnson no longer
- 17 claims that the formulas for its Baby
- 18 Powder products or its products related
- to Baby Powder are confidential?
- A. I have not seen any
- documentation to say that they are or are
- not. Like I said, they are pretty simple
- ²³ products.
- Q. Are you aware that you now

- 1 have on your website the declaration that
- the formulas for the baby -- the products
- from the Baby Powder company are no
- 4 longer considered confidential?
- A. I wasn't aware of that, but
- ⁶ I'll accept that.
- 7 Q. We'll find it later and make
- sure we're all on the same page.
- Now, are the formulas for
- the Johnson & Johnson Baby Powder and
- 11 Shower to Shower patented?
- 12 A. No.
- 0. Okay. And where are the
- 14 actual formulas stored? Are there
- 15 formula cards for these products?
- 16 A. The formula is part of a
- manufacturing process. If you have -- if
- you're going to manufacture Baby Powder,
- the people manufacturing it will have the
- formulation, and they -- they're give
- that information. So it will be in the
- manufacturing facility. Obviously there
- will also be copies in the research
- ²⁴ facility.

- Q. Okay. Have you actually
- seen -- is it a formula card, is it --
- ³ what is it?
- A. I'm sure these days it's
- ⁵ electronic.
- Q. Okay.
- A. But there is a formula --
- 8 all products, whether it's baby lotion,
- ⁹ baby shampoo, they all have a formula.
- 10 And that formula is disclosed to the
- manufacturing facility. And copies are
- 12 held within the research facility in a
- 13 file. Basically there's a file for baby
- shampoo, file for baby bath, file for
- Baby Powder. So that file will hold the
- 16 formula.
- Q. And have you reviewed the
- current formula for Baby Powder?
- 19 A. I've seen the current
- ²⁰ formula. Yes.
- Q. And have you reviewed the
- historical formulas for Baby Powder?
- A. I've -- I've seen a broad
- overview of the historical formulas.

- 1 They have varied slightly over the years
- with -- back in the 1920s, '30s, there
- were -- various additives were included
- ⁴ and then excluded.
- ⁵ Q. And is that all in one
- ⁶ place, all in one file, the historical
- ⁷ formulas for Baby Powder?
- A. I don't have the answer to
- ⁹ that question. But certainly within the
- company, there's -- there's a history of
- 11 formulations for Baby Powder, yes. I
- don't have that with me.
- O. So who would I go to, if not
- you, if I wanted to see all of the
- historical formulas for Baby Powder?
- A. My advice would be to talk
- to the current research facility who
- would have at least an element of that,
- and should have as much as possible.
- Q. And who would that person
- be, the person in charge?
- A. It would be the research
- manager of the baby products area.
- Q. And who is that?

- 1 A. I don't know his or her name
- ² today.
- Q. Okay. And does the same
- ⁴ go -- is the same true for the Shower to
- ⁵ Shower product?
- A. Well, the Shower to Shower
- ⁷ brand was sold by the company a few years
- ⁸ back. So my understanding would be that
- ⁹ the formulas and the information would
- have gone to the new owner of that
- business. So I don't know whether that
- information is still available in
- Johnson & Johnson.
- Q. So you don't know whether
- Johnson & Johnson maintains somewhere a
- historical file all the formulas for
- 17 Shower to Shower that it sold?
- A. I don't -- I don't know
- where they are, is what I'm saying, is
- there was a file for the formula of
- 21 Shower to Shower. There's no reason to
- suspect that it's not available today.
- It's a pretty simple product. But it has
- changed over the years. Initially it was

- ¹ just talc and fragrance. And then it was
- blended out with cornstarch and also
- 3 baking soda.
- Q. Okay. And who would be the
- ⁵ person we would ask the question to,
- 6 where is that stuff?
- ⁷ A. That information would be
- 8 held within the research facility at
- ⁹ Johnson & Johnson.
- 0. Okay. Included in the
- 11 formula for Baby Powder and Shower to
- 12 Shower, is it my understanding that there
- ¹³ are fragrances?
- A. Yes.
- 0. Okay. And are you aware
- specifically of the chemical composition
- of the fragrances historically for
- these -- both of these products?
- 19 A. That's -- a typical
- fragrance comprises about 100 or even
- 21 slightly more different ingredients.
- They're mostly obtained from botanical
- extracts, flower extracts, et cetera.
- That information is held in

- 1 confidence by the fragrance supplier.
- ² That's not usually disclosed to Johnson &
- ³ Johnson. The information is given to us,
- 4 this is fragrance P, whatever it may be.
- ⁵ It's given a reference ID, and that
- 6 information is held in confidence by the
- ⁷ supplier of the fragrance.
- 8 Q. So who was the supplier of
- ⁹ the fragrances, to your knowledge, that
- were used in Johnson & Johnson Baby
- 11 Powder historically?
- 12 A. The suppliers over the years
- have changed because they were usually
- bought out by other major suppliers.
- I believe, I'm not sure who
- the current owner is. But it --
- certainly at one time it was a company
- 18 called Belmay.
- 0. But --
- A. Belmay, B-E-L-M-A-Y. But I
- think they were bought out by other
- companies over the years. And that
- company was also bought out. So I'm not
- 24 sure who the current supplier's name is.

- Q. Well, if we wanted to find
- out who the supplier of the fragrances
- were for the Johnson & Johnson Baby
- 4 Powder and the Shower to Shower product
- ⁵ historically, how would we find that out?
- A. Again --
- 7 O. Who would we ask?
- A. Again, same answer. The
- 9 research facility would be expected to
- have that information. Okay. You'd have
- to go -- we'd have to go back to the
- specification and details back to many,
- many years. But that information should
- ¹⁴ be held on file.
- Q. All right. So what would I
- ask for specifically, so when we go back
- and do it, we don't make people do
- unnecessary work?
- A. Well, what would you like to
- 20 know?
- Q. We would like to know who
- the suppliers were of the fragrances that
- were used in Johnson & Johnson Baby
- Powder and Shower to Shower historically,

- 1 say from 1960 forward.
- A. Okay. That -- simply just,
- ³ I would say, ask that question. Who are
- 4 the suppliers or who were the suppliers
- of the fragrances used in Baby Powder,
- 6 Shower to Shower from that period -- time
- ⁷ period forward.
- Q. Okay. But I thought you
- ⁹ were the guy that I was supposed to ask
- that question to.
- A. What I said to you was
- that's not information I hold in my head.
- 13 I did give the name of one of the
- suppliers of fragrance that I recollect.
- But I'm also aware that, as
- with many industries, our fragrance
- suppliers are being bought by other
- 18 fragrance company, and another company
- has bought them. So I'm not quite sure
- who is the current name of the
- fragrance -- the fragrance -- same
- fragrance generally, but from a different
- owner.
- Q. Will you be able to make a

```
1
    phone call or something overnight and get
2
    that information, because you were the
    guy that was supposed to bring it.
4
                 MR. BICKS: Can I -- just as
5
           a matter of edification for me, I
6
           gather there was some chart that
7
           was under discussion or am I
8
           mixing something up?
9
                 MR. PLACITELLA: You guys
10
           were supposed to bring a chart.
11
                 MR. BICKS: And that was
12
           supposed to be here today?
13
                 MR. PLACITELLA: That was my
14
           understanding.
15
                 MR. BICKS: I didn't know
16
           the timing.
17
                 MS. MALIK: I think that was
18
           already produced.
19
                 MR. BICKS: I'll check on
20
           the chart. I don't --
21
                 MR. PLACITELLA: I mean, I
22
           don't want to belabor it. We can
23
           come back to it tomorrow.
24
                 MR. BICKS:
                              Right.
```

1 MR. PLACITELLA: But I 2 thought he was here to tell us who 3 the suppliers of the fragrances 4 were. 5 THE WITNESS: I've given you 6 one name. But like I say, the 7 fragrance suppliers tend to be 8 bought out by other larger 9 companies over the years. 10 BY MR. PLACITELLA: 11 I know, but you don't 12 actually know who to ask. I was supposed 13 to ask you. There's supposed to be a 14 chart. I'm kind of lost. 15 I know. What --Α. 16 Give me some quidance. 0. 17 What I'm saying is that Α. 18 we'll ask the attorneys if they will ask 19 the R&D folks for that information. 20 Now, you indicated Ο. Okay. 21 that the actual chemical formula of the 22 fragrances was something that was never 23 disclosed to Johnson & Johnson. Is that 24 a fair statement?

- 1 A. That's a fair statement.
- ² And that's -- that applies to any
- product, whether it's an adult shampoo or
- ⁴ an adult body wash. The fragrance is
- ⁵ proprietary information to the fragrance
- 6 company.
- ⁷ Q. But you said that that could
- be made up of up to how many chemicals?
- ⁹ A. Typically, a good fragrance
- is typically 100 or more different
- 11 ingredients.
- 0. Well, who tests the
- 13 fragrance to make sure it's safe to use
- on people?
- A. People, okay. Simple answer
- there is that there are two aspects of
- that. One, the fragrance company, and
- there are about 3,000 different
- ingredients that fragrance companies can
- use to create a fragrance. That's why,
- you know, your aftershave smells
- different than your wife's cologne. They
- use different ingredients.
- The testing is done based on

- an approved list of about 3,000
- ingredients. And that list of approved
- ingredients is from a group called the
- ⁴ International Fragrance Research
- ⁵ Association, IFRA. And they set
- 6 standards. They set a limit as to what
- ⁷ can be used, where it can be used. They
- 8 have different categories for fragrance
- ⁹ that are used on the face, the body,
- 10 rinse-off products. And so a fragrance
- 11 house or fragrance company can create a
- 12 fragrance that meets that standard.
- 13 Then once the product is
- 14 received by a company like Johnson &
- Johnson, Johnson & Johnson would then do
- 16 additional studies. You'd look at
- 17 checking that the fragrance didn't cause
- skin irritation, skin sensitization,
- 19 allergy studies. So they'd be done on
- the fragrance in the product.
- Q. So I just want to be clear.
- Johnson & Johnson puts into its products
- chemicals that it has no idea what the
- chemical composition is?

- A. That's not entirely true.
- ² The fragrance is tested by the fragrance
- 3 house and Johnson & Johnson.
- I said that there is a list
- of 3,000 -- approximately 3,000
- ingredients that are -- we're fully aware
- of the safety of those ingredients.
- 8 They've been evaluated in extensive
- 9 clinical studies, animal studies, to
- ensure that they are safe and they meet
- all the legal requirements by the
- international fragrance research
- association, IFRA.
- So we know what the 3,000
- 15 are. We can -- we can look at that list.
- 16 That list is available from the
- 17 International Fragrance Research
- 18 Association.
- Q. But you put in the product
- specifically a group of chemicals, and
- you do not know what those chemicals are
- specifically, correct?
- A. I'm not aware that the
- company has ever broken down the

- 1 constituents of that 100, or whatever it
- ² may be, different ingredients. As I say,
- the majority are created from flower
- ⁴ extracts, botanical extracts. And that's
- ⁵ well established as to what they are.
- ⁶ They're natural materials.
- And they're the same type of
- 8 ingredients that go into the shampoos and
- body washes that we all in this room use
- every day, underarm deodorants or
- 11 colognes. They're all the same kind of
- ingredients used in different ratios to
- get a different fragrance.
- Q. Well, are the testing for
- the fragrances done one at a time or in
- combination? How is it tested?
- 17 A. The testing is done on each
- of the ingredients one at a time, as you
- ¹⁹ say.
- So for example, if there
- were a lemon extract, that's being tested
- in extensive studies in humans, animal
- studies, patch tests, photology studies.
- So those are one at a time, yes.

- Q. But you don't know what --
- if they're never tested when you put one
- 3 chemical with the other, they don't test
- 4 to see what the interaction is between
- 5 the chemicals?
- A. No, you -- let's go back a
- ⁷ step. When a fragrance house creates a
- 8 fragrance with a blend of maybe 100
- ⁹ different ingredients, that fragrance
- house formulates their product in a way
- that is specified by the International
- 12 Fragrance Research Association to ensure
- that the product is safe. They are the
- experts in safety -- creating safe
- products.
- Q. So Johnson & Johnson Baby
- 17 Powder, is there lemon extract in there?
- A. Not in the Baby Powder. I'm
- 19 pretty sure there is not in the Baby
- Powder. I just used that as an example.
- 0. Is there -- so what
- chemicals are in the fragrances that are
- in the Baby Powder?
- A. There are extracts of

- 1 certain flowers that -- like lavender,
- for example, one way you could -- if
- you've got a lavender fragrance, you
- 4 might have a little bit of lavender
- ⁵ extract. There could be extracts of
- 6 other botanical plants.
- ⁷ Q. So you gave me lavender.
- 8 What's the other 99?
- ⁹ A. As I said, that is
- 10 confidential with the fragrance company.
- 11 That is, the only way we find that out is
- 12 to -- two things: One, in theory, I
- suppose is that you could break it down
- and get an understanding of that from
- very sophisticated studies; or you would
- have to get that from the fragrance
- company.
- But it's not something that
- Johnson & Johnson holds. The fragrance
- 20 company supplies the fragrance that meets
- the regulatory guidelines for a safe
- ²² fragrance.
- Q. When they -- when you say
- "safe fragrance," have they tested it for

- 1 carcinogenicity on an long-term basis
- with an appropriate latency period, all
- ³ 100 chemicals that go into the fragrance?
- A. The fragrance, as I said --
- ⁵ I'll go back again. The fragrance
- ingredients, there are 3,000 that are
- ⁷ approved. That approval is based on the
- 8 safety of each of ingredients. That will
- ⁹ include extensive testing for allergy,
- irritation, systemic testing.
- 11 There's a phenomenal amount
- of work that goes on within the fragrance
- industry to ensure that the products are
- 14 safe.
- Q. Okay. What was my question?
- 16 A. You asked had they tested
- ¹⁷ for carcinogenicity.
- Q. All right. And what's the
- 19 answer?
- A. And I said, well, that is
- something that the fragrance companies
- would have tested to their own protocols.
- 23 And I don't know what tests they've done
- 24 for each and every 3,000 ingredients.

- 1 But their approval is based on their
- ² toxicologists stating they are safe based
- 3 on the data that they have.
- Q. So you don't know as you sit
- ⁵ here today -- you cannot testify under
- oath that the chemicals that are used in
- ⁷ the fragrances used in the Baby Powder
- 8 and Johnson & Johnson Shower to Shower
- ⁹ were tested for carcinogenicity? You
- can't testify to that under oath,
- 11 correct?
- A. Correct.
- 0. Okay. Now -- and does the
- consumer know that Johnson & Johnson has
- no idea what chemicals it's putting in
- its Baby Powder in order to make them
- just smell good?
- MR. SILVER: Objection to
- form.
- MR. BICKS: Argumentive.
- 21 BY MR. PLACITELLA:
- Q. Do you have information from
- anything that you've looked at to
- indicate that the consumer has ever been

1	advised that Johnson & Johnson has no
2	idea what specific chemicals are being
3	put into the Baby Powder or Shower to
4	Shower to make them smell good?
5	MR. SILVER: Object to the
6	form.
7	MR. BICKS: Object to the
8	form.
9	THE WITNESS: I'd refute the
10	point to say that they have no
11	idea.
12	The understanding I have is
13	that with a typical fragrance, you
14	have what's called a certain note,
15	a woody note or a floral note, et
16	cetera.
17	And certainly the fragrance
18	houses will tell you some of the
19	main ingredients that give you
20	that particular note, that
21	particular for example, there's
22	a chemical found in a number of
23	floral extracts, called Hedione or
24	Hedione, H-E-D-I-O-N-E. And I

```
1
           know that's in -- certainly in
2
           some of Johnson's baby products,
3
           is a part of the fragrance.
4
                  So we're aware that there
5
           are certain fragrance which are in
6
           the formula. I don't know every
7
           one of the 100 and whatever it may
8
           be.
9
                  But certainly we're aware of
10
           the type of fragrance note that
11
           gives you the baby-type smell.
12
    BY MR. PLACITELLA:
13
           O. Well, assuming -- and --
14
    well, I'll get to it later so we don't
15
    have to hold things up.
16
                  MR. PLACITELLA: Can you
17
           give me Exhibit 69.
18
                  (Document marked for
19
           identification as Exhibit
20
           J&J-69.)
21
    BY MR. PLACITELLA:
22
                  I'll give you what's been
23
    marked Exhibit 69.
24
                  (Whereupon, a discussion was
```

1	held off the record.)
2	THE VIDEOGRAPHER: The time
3	is 10:15 a.m. We are going off
4	the record.
5	(Short break.)
6	MR. SILVER: During the
7	break, two more individuals that
8	are not counsel have entered the
9	room. I'd like their names put on
10	the record for their appearance.
11	DR. EGILMAN: Triet Tram and
12	Alicia Rocha.
13	MR. SILVER: And I need a
14	representation of who these
15	individuals are.
16	MS. PARFITT: I understand
17	that they are research assistants
18	for Dr. Egilman.
19	MR. SILVER: Imerys'
20	objection is continuing and
21	ongoing as to the presence of
22	these two individuals. Again,
23	it's J&J's dep. So we're not
24	going to to let it go on. But

1	again, we believe it's a
2	continuing violation of CMO 11 in
3	that we believe that the PSC needs
4	our consent for it to go forward.
5	That being said, do I have a
6	representation from the PSC that,
7	if they have not at the moment,
8	they are going to sign the
9	confidentiality order?
10	MS. PARFITT: My
11	understanding is they are signing
12	it momentarily. We're having to
13	print it out.
14	MR. PLACITELLA: I'm not
15	going to let them sit here until
16	they sign it.
17	MR. SILVER: If they are
18	going to sign it, I'm not
19	really
20	MR. PLACITELLA: I
21	understand your point. I
22	understand your point.
23	MR. SILVER: With that,
24	Imerys has made its record.

1 MR. LOCKE: PCPC joins in 2 Imerys's objection. 3 THE VIDEOGRAPHER: The time 4 is 10:20 a.m. Back on the record. 5 BY MR. PLACITELLA: 6 Q. All right. You have in 7 front of you Exhibit 69, which I put up 8 on the screen so everybody can see it. 9 It is the Johnson & Johnson 10 Baby Powder Formula Number 499, Fact Book 11 Supplement dated July 1974. 12 Do you see that? 13 Α. I do, yes. 14 And you've seen this before, Ο. 15 correct? 16 Α. Yes. 17 What is a fact book as it 18 relates to a formula, to your knowledge? 19 Well, the fact book, there Α. 20 are many different kinds of fact book. 21 As this -- it relates to this one, 22 relates to -- this is a supplement to the 23 main fact book. The fact book itself is 24 a story of formula. It's how it's

- developed, research, testing. It would
- ² probably include safety testing, et
- ³ cetera. So all that gets put into a fact
- 4 book, so it's all available in one place
- 5 at one time.
- This is a supplement
- ⁷ relating to a project which, as I read
- 8 this, is a process to clean the talc via
- ⁹ flotation.
- 0. Okay. So when I did a
- search of the database, I'm not saying
- that I'm the best at this, but I didn't
- see the original fact book. Have you
- ever seen the fact book for Formula 499
- which is the -- for Johnson Baby Powder?
- MR. BICKS: Objection to the
- form.
- THE WITNESS: No, I've not
- particularly seen the original
- fact book. This is a supplement
- to the fact book.
- 22 BY MR. PLACITELLA:
- Q. Right. So there must be
- something that came before it, correct?

1 Well, that's speculation. Α. 2 But it's likely, yes. 3 Okay. So it's likely 4 speculation? 5 Α. Yes. 6 So in preparation for in 7 your deposition and all the times that 8 you've ever testified, you've never seen 9 the actual fact book related to the 10 formulas for the Baby Powder? 11 MR. BICKS: Foundation. 12 THE WITNESS: No, that's not 13 I've seen fact books for 14 Baby Powder. You asked me about 15 this one with a reference to 16 Formula 499. But like I say, I 17 couldn't put my finger on 499. But there is certainly a fact book 18 19 for Johnson's Baby Powder. 20 BY MR. PLACITELLA: 21 And you've seen that? 22 I have seen that when I was Α. 23 based here in New -- in New Jersey. 24 So when is the last time Q.

- that you saw that fact book?
- A. When I was based in New
- 3 Jersey in 1998.
- MR. PLACITELLA: Now, this
- fact book supplement, to the
- 6 extent that it has not been
- produced, and I haven't seen it, I
- 8 would make a request for the fact
- book that's been identified by the
- witness.
- 11 BY MR. PLACITELLA:
- Q. This is for Formula 499,
- 13 correct?
- A. Yes.
- 15 Q. How many different formulas
- was there for Johnson's Baby Powder? I
- thought 499 was the formula number.
- 18 A. That was the designation in
- ¹⁹ 1974. Yes. Yes.
- Q. Okay. And had it changed
- over time, the number?
- A. I don't believe the formula
- has changed since 1974. It's -- there
- may have been very slight changes to the

- 1 perfume over the years. There can be
- very slight changes. But it's
- essentially a blend of over 99 percent
- 4 talc and a little bit of fragrance.
- 5 Q. But Formula 499 is the
- 6 formula designation for Johnson's Baby
- Powder, correct?
- 8 A. It is in -- in this document
- ⁹ dated 1974, yes.
- Q. Was it ever known by some
- 11 other number?
- 12 A. I don't have the answer to
- that, because the product has been on the
- market since 1920s. There have been a
- Johnson's Baby Powder on the market since
- the 1920s. And in some of those early
- formulas, there were additional
- ingredients back in the 1920s, boric
- 19 acid. There was a small amount of boric
- 20 acid.
- There has also been at times
- 22 a small amount of a -- what's called a
- free float agent to stop the talc from
- clogging in the holes in the -- in the

- 1 bottle. Sodium sesquicitrate which has
- been used at some time or another. So
- there have been minor changes. And when
- 4 you make a minor change, you give a
- ⁵ different formula reference.
- 6 Q. So the number changes?
- A. The number would change,
- ⁸ yes.
- 9 Q. So where would I go to find
- all the formula numbers for Baby Powder
- or Shower to Shower and the fact books
- 12 related to those numbers?
- MR. BICKS: No foundation.
- Go ahead.
- THE WITNESS: I can only say
- that the first port of call to ask
- the question -- whether they are
- instantly available, I do not
- know -- would be the research
- group. And whether they go back
- to 1926, I would speculate
- possibly may -- may not.
- 23 BY MR. PLACITELLA:
- Q. How far back do they go? Do

1 you know? 2 I don't know how far the Α. fact books go back, no. 4 And is that something that 5 we can figure out today or tomorrow. Can 6 you make a phone call? 7 I don't have the answer to 8 I don't know. that. 9 Q. Okay. What is typically 10 included in a fact book as it relates to 11 the formulas for the products that we're 12 here to address? 13 MR. BICKS: No foundation. 14 Go ahead. 15 THE WITNESS: A typical fact 16 book would include the formula, 17 the percentages of each of the 18 ingredients. It would describe 19 what the ingredients were, where 20 they were sourced from, who the 21 supplier was, fragrance supplier, 22 et cetera. 23 It would describe at least 2.4 the basis of how products were

1	mixed together. It would describe
2	the specification or
3	specifications, color, appearance,
4	odor, the content of various
5	impurities, et cetera.
6	So those would all be listed
7	as part of the fact book. The
8	fact book would also give an
9	indication of any safety testing
10	on or clinical testing on the
11	finished formula.
12	And so that's that's all
13	part of the story of the product
14	that's put together into a fact
15	book.
16	BY MR. PLACITELLA:
17	Q. So if I wanted to know the
18	real story of the product, it would be
19	essential for me to see the fact book,
20	correct?
21	MR. BICKS: Objection to the
22	form.
23	THE WITNESS: The story of a
24	product is in the fact book.

1	MR. PLACITELLA: Okay. Can
2	you guys tell me, have you ever
3	produced the fact books for the
4	Johnson & Johnson Baby Powder or
5	Shower to Shower? I haven't seen
6	them. I'm not saying you haven't.
7	But I've done a pretty exhaustive
8	search. Can you tell me whether
9	you've ever produced them?
10	MR. BICKS: I can't speak to
11	the well over millions of pages of
12	documents that have been produced.
13	MR. PLACITELLA: Yeah, but
14	this is not some pages of
15	document. This is the
16	quintessential document that gives
17	the history of the product.
18	
10	Can we, during a break,
19	Can we, during a break, figure out whether we were ever
19	figure out whether we were ever
19	figure out whether we were ever given the fact books and if you
19 20 21	figure out whether we were ever given the fact books and if you can produce them here.

```
1
           masses of materials that you all
2
           have, and combing through is a
3
           very --
4
                  MR. PLACITELLA: If you
5
           can -- if you can tell me what the
6
           Bates number is for the fact book,
7
           we'll go find it. But I spent a
8
           couple hours searching through the
9
           database, and I couldn't find it.
10
                  That doesn't mean that I'm
11
           good at it. But I would --
12
                 What are you -- what are you
13
           laughing at?
14
                 But that's something that I
15
           think we need to get to. All
16
           right.
17
    BY MR. PLACITELLA:
18
           Q. So let me ask you about this
19
    supplement to the fact book.
20
                  If I go to the Bates Number
21
           I'll blow it up for you. It gives
    9324.
22
    me all of the people who are involved in
23
    this supplement, correct?
24
           Α.
                  Yes.
```

- Q. Okay. And --
- A. The people who are copied in
- 3 on it, yes.
- Q. Right. And these are all
- 5 the top people involved in the testing
- for the Johnson's Baby Powder in 1974, or
- 7 most of the top people?
- ⁸ A. They were key people in the
- 9 research department in 1974. Yes.
- 0. Okay. And it says all these
- people have copies -- got copies of this
- 12 fact book supplement.
- Do you see that?
- A. It does say that. Yes.
- Q. And it also says that the
- 16 fact book supplement went to a central
- ¹⁷ file.
- Do you see that?
- 19 A. That's what is written, yes.
- Q. Where was that central file
- 21 kept?
- A. In 1974, that was in New
- 23 Brunswick in the research department in
- ²⁴ New Brunswick.

- Q. Okay. The -- now, I notice
- that, if you look down at the bottom,
- this actually has an Imerys Bates stamp.
- 4 So it doesn't look like we got it from
- ⁵ you. So did you give the fact book to
- ⁶ your suppliers as well?
- 7 MR. BICKS: Did we what?
- 8 BY MR. PLACITELLA:
- ⁹ Q. When you put together the
- 10 fact book, did you distribute it to your
- 11 suppliers?
- 12 A. No. No. Imerys was not a
- supplier in 1974.
- Q. Do you have any idea how
- 15 Imerys got your fact book?
- ¹⁶ A. No.
- Q. Okay. Now, in the fact book
- supplement on 9327, there is a formula.
- Do you see that? I put it
- up on the screen.
- 21 A. Yes.
- Q. It says, "Windsor" --
- "Ingredients: Windsor 66 talc." And it
- ²⁴ gives a percentage by weight.

- Do you see that?
- A. I see that, yes.
- Q. And it also lists Synfleur
- ⁴ Perfume P.
- Do you see that?
- A. Yes, Perfume P. Yes.
- Okay. And who is the
- 8 supplier of Synfleur Perfume P, if you
- 9 know?
- 10 A. In 1974 it could have -- I
- think there was a company called
- 12 Synfleur. Yes.
- 0. Okay. And what went into
- 14 Synfleur Perfume P?
- 15 A. That's what we talked about
- a few minutes ago. As I said, a typical
- fragrance, and it's not radically changed
- in many, many years, is a blend of a
- 19 significant number of extracts from
- flowers, plant extracts, and they're put
- together by the fragrance company to
- create the fragrance that people
- recognize as Johnson's Baby Powder
- ²⁴ fragrance.

- 1 So as you sit here today, 0. 2 you cannot tell me, based upon records that you've reviewed, what chemicals went 4 into Synfleur Perfume P in 1974, correct? 5 MR. BICKS: Objection. No 6 foundation. 7 THE WITNESS: No. As I said 8 a few minutes ago, that 9 information is held as 10 confidence -- in confidence by the 11 fragrance supplier.
- 12 BY MR. PLACITELLA:
- 13 O. Okay. What testing did
- 14 Johnson & Johnson do in 1974 to make sure
- 15 that the chemicals in Synfleur Perfume P
- 16 could not cause cancer?
- 17 You don't have to do testing Α.
- 18 to ensure that it won't cause cancer.
- 19 The fragrance supplier uses an approved
- 20 list of materials which have been shown
- 21 to be safe, both systemically and to the
- 22 skin, to the dermis, to avoid skin
- irritation and sensitization and to avoid 23
- 24 chemicals that are regarded as likely to

```
<sup>1</sup> cause cancer.
```

- Q. So the answer to my -- I'll
- 3 ask the question a different -- a
- ⁴ different way.
- Johnson & Johnson did not do
- any testing in 1974 to determine whether
- ⁷ the chemicals used in Synfleur Perfume P
- 8 contained -- were carcinogenic, correct?
- 9 A. Johnson & Johnson did not,
- no. That was the responsibility of the
- 11 fragrance supplier. And at that time
- there were, and still are, tests that
- will predict whether a material will
- 14 cause cancer. They're called
- genotoxicity tests. And they are part of
- the test program that are used by
- 17 fragrance suppliers when they're
- 18 evaluating raw materials.
- 0. Johnson & Johnson did no
- tests to determine whether the chemicals
- that were part of the perfume from 1974
- forward could cause cancer, correct?
- A. Johnson & Johnson did not.
- 24 It was the responsibility of the

```
1
    fragrance company to ensure that that
2
    standard was met.
3
                 But doesn't -- in terms of
4
    safety, doesn't the buck stop with
5
    Johnson & Johnson, Dr. Hopkins?
6
                  You're asking me to
7
    speculate. And what I'm saying is that
8
    as far as safety is concerned, the
9
    fragrance house, the fragrance company,
10
    has the responsibility to provide a safe
11
    fragrance.
12
                  I'm not asking you to
13
    speculate. Doesn't the buck, in terms of
14
    safety of the product that's being sold
15
    by Johnson & Johnson, stop with Johnson &
16
    Johnson?
17
                  MR. BICKS: Objection to the
18
           form.
19
                  THE WITNESS: Again, it's an
20
           odd question.
21
                  The responsibility for
22
           safety is Johnson & Johnson's.
23
           And they will achieve that role by
2.4
           talking with the supplier and
```

- ensuring that the supplier sends
- or provides a fragrance that is
- safe and suitable for its end use.
- ⁴ BY MR. PLACITELLA:
- ⁵ Q. Did Johnson & Johnson get
- 6 letters from -- or certifications from
- ⁷ its suppliers indicating that the
- 8 chemicals that were used in the perfumes
- ⁹ for its Baby Powders had passed
- 10 carcinogenic testing?
- 11 A. I don't know the answer to
- 12 that question.
- 13 O. How would we find that out?
- A. Again, I don't know how you
- would find that out.
- What I'm saying though,
- again, is the fragrance company has the
- 18 role and responsibility to provide
- 19 fragrances that are safe. And that role
- is handed to the fragrance company and
- then they provide a fragrance that is
- 22 safe for its end use.
- Q. So the safety of your
- product is only as good as the fragrance

```
1
    company that you select?
2
                  MR. BICKS: Objection to the
3
           form.
4
                                Again, the
                  THE WITNESS:
5
           fragrance companies, they all
6
           operate to a standard.
                                     The IFRA
7
           standard, International Fragrance
8
           Research Association standard.
9
                  And that standard requires
10
           that for each of the ingredients
11
           that are composed in a fragrance,
12
           they meet certain safety
13
           standards, minimum safety
14
           standards to ensure that the
15
           fragrance ingredient is not
16
           harmful.
17
    BY MR. PLACITELLA:
18
           Q. Well, did you ever visit the
19
    laboratories of the fragrance companies
20
    to see that they were actually doing the
21
    testing correctly?
22
                  I personally have not
           Α.
23
    visited the labs of the fragrance
24
    companies.
```

- O. What about Johnson &
- Johnson, did they do any due diligence to
- make sure that the fragrance companies
- ⁴ were conducting the appropriate testing
- or did they just take their word for it,
- that they were testing whatever they were
- ⁷ supposed to test?
- A. You're using the word
- 9 testing. Let me be clear. It is not
- normal to test each and every fragrance
- 11 every time.
- 12 If you are operating from a
- palate of say 3,000 ingredients, those
- ingredients have already been evaluated
- by the International Fragrance Research
- 16 Association, IFRA, to ensure that they
- are safe. The fragrance company can then
- use those ingredients to the permitted
- amounts to create a safe fragrance. You
- don't need to test them again. They've
- ²¹ already been tested.
- Q. And IFRA is a trade group?
- A. IFRA is a trade group. And
- it takes its information from RIFM,

- 1 R-I-F-M, which is the Research Institute
- ² For Fragrance Materials. And that group
- is supported by the fragrance industry.
- 4 And they spend millions
- ⁵ every year to do safety testing on each
- of those ingredients.
- Q. Is Johnson & Johnson part of
- 8 that trade group?
- A. To my knowledge it's not
- part of RIFM, no. It's a fragrance
- 11 companies group.
- O. So Johnson & Johnson relies
- upon the supplier who they can't identify
- 14 as they sit here today who relies upon a
- trade group that Johnson & Johnson is not
- a part of, and that's how they know the
- products that are used and their products
- 18 are safe. That's what you're saying?
- MR. BICKS: Objection to the
- form.
- THE WITNESS: I think you
- are misconstruing and
- misrepresenting. I'm going to say
- it again, if I may, is that the --

```
1
           each of those ingredients that go
2
           in to make a fragrance has been
3
           independently evaluated by the
4
           Research Institute on Fragrance
5
           Materials. And they will approve
6
           the use of each of those fragrance
7
           ingredients to be used by a
8
           fragrance manufacturing company to
9
           create a fragrance that is safe.
10
    BY MR. PLACITELLA:
11
                  In the formula, you don't
12
    seem -- you don't list anywhere particle
13
           Is that listed somewhere else in
14
    the fact book?
15
                  Particle size of what?
                                           The
           Α.
16
    talc?
17
                  Yes.
           Ο.
18
                  The specification for the
           Α.
19
    talc would include what's called a mesh
20
           I need to look at this book again.
    size.
21
    Mesh size relates to the ability of the
22
    talc to pass through a certain mesh.
23
    that limits the size.
24
                  Okay. So the size of the
           Q.
```

- 1 particles is not part of the formula.
- ² That's something that goes in a
- ³ specification? Is that your testimony?
- A. It's part of the
- ⁵ specification for the talc, the raw
- 6 material talc, yes.
- 7 Q. Now, in this, under the name
- Johnson & Johnson -- Johnson's Baby
- 9 Powder, you have an asterisk. Do you
- 10 know what that asterisk is for?
- 11 A. Yes. It's something the
- company -- the corporation uses, and has
- done right up until today. It just
- indicates that it's trademarked. It
- means that other companies cannot use the
- word Johnson's, if it's got the asterisk
- there. It's trademarked.
- 18 (Document marked for
- identification as Exhibit
- J&J-207.
- 21 BY MR. PLACITELLA:
- Q. I'm going to show you what's
- been marked 207.
- MR. SILVER: Do you have

```
1
           copies?
2
                 MR. PLACITELLA: No. But
3
           I'll put it up.
4
    BY MR. PLACITELLA:
5
           O. You've seen 207 before?
6
           Α.
                 Yes.
7
                 What is it?
           0.
8
                 It's a document describing
           Α.
9
    the process specification for a new
10
    Shower to Shower medicated formula. It's
11
    a variant on Shower to Shower. It's
12
    dated '94, '95.
13
           Q. And if you go to the Bates
14
    Number 57835, which I put up on the
15
    screen, it lists the quantitative
16
    formula.
17
                 Do you see that?
18
                 Yes, I do see that. Yes.
           Α.
19
                 MR. SILVER: Since there's
20
           no copies, can you -- and pursuant
21
           to the protocol, just read into
22
           the record the first Bates number
23
           on the first page?
24
                 MR. PLACITELLA:
                                          The
                                   Sure.
```

1 first Bates number would be 833. 2 MR. SILVER: Can you read 3 the full one in just -- into the 4 record, or I'll do it. JNJ --5 MR. PLACITELLA: 6 JNJ000057834. 7 MR. SILVER: Thank you. 8 BY MR. PLACITELLA: 9 Okay. So this lists the 10 ingredients for Shower to Shower? 11 It lists the ingredients for 12 Shower to Shower Formula 2118-114. 13 Did that formula ever change 0. 14 to your knowledge? 15 It has changed over the Α. 16 years, yes. 17 Okay. And was there a fact 18 book for the Shower to Shower formula as 19 well, similar to the Baby Powder? 20 That is my understanding, Α. 21 yes. 22 MR. PLACITELLA: Again, I 23 make the request for the fact 24 books related to the Shower to

- 1 Shower.
- ² BY MR. PLACITELLA:
- Q. It lists here in Item Number
- ⁴ 5, Fragrance Creation L94-173.
- Do you see that?
- A. Yes, I do.
- ⁷ Q. Who is the supplier for
- 8 fragrance creation L94-173?
- ⁹ A. I think the name gives it
- 10 away. I believe Creation Aromatique,
- which is a fragrance company.
- Q. Okay. And they are located
- where?
- 14 A. They have a U.S. office.
- 15 I'm not sure where it is.
- Q. And for how long or during
- what period of time were they the
- supplier of the fragrance for Shower to
- 19 Shower, if you know?
- A. I don't know.
- O. Okay. Would all this
- information be in the fact book?
- A. I would expect it to be.
- Q. Okay. Now, and if I asked

- 1 you all the same questions here about the
- ² fragrance that I asked you about the Baby
- Powder, your answers would be the same?
- ⁴ A. Yes.
- ⁵ Q. Okay. I'm going to change
- ⁶ gears now. I want to talk to you about
- ⁷ the supply of the talc for use in the
- ⁸ Johnson & Johnson's Baby Powder and
- 9 Shower to Shower. Okay?
- 10 A. Yes.
- Q. Okay. Now, as a compliment
- to Mr. Bicks, I put up his slide from a
- 13 recent trial.
- Have you ever seen this
- 15 slide before?
- A. Yes.
- Q. And do you see the slide is
- 18 entitled "Cosmetic Talc Mining Sources
- 19 For Johnson & Johnson"?
- Do you see that?
- A. Yes.
- Q. And listed are three
- 23 sources: Windsor, Vermont --
- I have a copy if you want

```
1
    it.
2
                  MR. PLACITELLA: I marked it
3
           at 158.
4
                  (Document marked for
5
           identification as Exhibit
6
           J&J-158.)
7
    BY MR. PLACITELLA:
8
                 1964 to 2003.
           0.
9
                  Val Chisone, Italy, 1926 to
10
           And I'm not going to butcher the
    1973.
11
    name of China.
12
                  What's that town?
13
                 Guangxi.
           Α.
14
                  Thank you. China, 2003 to
           0.
15
    the present, correct?
16
           A. Yes.
17
                 Now, that's a general
18
    statement, correct, that there are
19
    nuances to that supply, right?
20
           Α.
                  Yes.
21
                  MR. PLACITELLA: Okay. So
22
           can you give me 241.
23
                  (Document marked for
24
           identification as Exhibit
```

```
1
           J&J-241.)
2
    BY MR. PLACITELLA:
3
           Q. I'm going to show you --
4
    Exhibit 241 is a set of interrogatory
5
    answers from Johnson & Johnson in
6
    Middlesex County.
7
                  Do you see that?
8
                  I'm going to go to one
9
    specific answer, which is Answer Number
    83, and I've tabbed it for you. And I've
10
11
    put it up on the screen so we're all on
12
    the same page.
13
           Α.
                 Yes.
14
                  In this interrogatory
           0.
15
    answer, Johnson & Johnson provides what
16
    it believes were the source, the specific
17
    source of talc for Johnson's Baby Powder.
18
    Do you see that?
19
           Α.
                  Yes.
20
                  And it gives the mine and
           Ο.
21
    the supplier, correct?
22
                  It does, yes.
23
                 Does this accurately
```

reflect -- accurately reflect what your

24

- ¹ understanding is concerning the sources
- ² from 1946 to 1992?
- A. We're talking about the
- 4 table, are we?
- ⁵ Q. Yes.
- A. Yes, I believe that is
- ⁷ correct. Yes.
- Q. Okay. And then I'm just
- ⁹ going to go to the next page.
- The next page lists the
- sources from 1992 to the present,
- 12 correct?
- 13 A. It lists sources, yes. The
- only comment that I would make is that my
- understanding is that on the 2003-2009,
- as far as the United States is concerned,
- my understanding is that only the Zhizhua
- quarry supplied to the United States.
- 19 Some of those other quarries are approved
- by Luzenac and may be used -- may have
- been used by other overseas J&J
- ²² affiliates. But my understanding is that
- as far as the United States is concerned,
- that 2003 issue is the Zhizhua quarry.

```
1
                 I'm going to give you an A
           0.
2
    for pronunciation no matter what happens
    in this deposition.
4
                  The -- so --
5
                 MR. BICKS: I don't think
6
           it's -- and you'll know, but I
7
           think the time frames have been
8
           divided up on some of these topics
9
           with Mr. Hicks, I think, who
10
           covered all the China.
11
                 MR. PLACITELLA: I'm not
12
           going into -- 2006 is where I'm --
13
           I'll stop for today.
14
    BY MR. PLACITELLA:
15
           Q. So let's just -- for the
16
    record, because if someone is reading
17
    this, they are not going to be able to
18
    see the chart. So why don't you just go
19
    through quickly what the chart reflects
20
    in terms of time frame and supplier, for
21
    the record?
22
                 MR. BICKS: You want him to
23
           read the chart?
24
                  THE WITNESS: You want me to
```

- read the chart?
- 2 BY MR. PLACITELLA:
- Q. If you can.
- ⁴ A. 1946 to 1964, it was from
- 5 the Val Chisone mine in Italy, Italian
- 6 00000 grade. And supplier to the U.S.
- ⁷ agent was Charles Mathieu.
- 8 1964 to 1966, it was the
- beginning of the Hammondsville, Vermont
- mine and the supplier was Eastern
- Magnesia Talc Company. And that was
- 12 running in parallel with the Italian Val
- 13 Chisone source as the new mine was being
- 14 phased in. So they were running two
- 15 together. Sometimes there's a blend.
- By 1966 onwards to 1979, it
- was the Hammondsville mine, again
- supplied by Windsor Minerals, because
- 19 that was the new owner.
- 1976 to '79, again,
- Hammondsville was supplying it to J&J by
- ²² Windsor Minerals.
- In 1980 it was mostly
- supplied by the Hammondsville mine,

- ¹ Windsor Minerals. But because there was
- ² a mine strike in the end of
- December-January-February time period,
- 4 '79-'80, a small quantity of the Italian
- 5 talc was brought in to supplement the
- 6 stocks.
- And then back in 1981 to
- 8 1988, it was the Hammondsville mine in
- ⁹ Vermont, supplied by Windsor Minerals.
- 1989 to 1990 it was the
- Hammondsville mine. And the supplier
- there is Cyprus Minerals, who took
- ownership at that point. And they also
- used the Argonaut and the Rainbow mine at
- some point.
- 16 And likewise 1990 to 1992,
- 17 Cyprus Minerals, the Hammondsville mine,
- the Argonaut and a little bit of Rainbow.
- 19 But because Hammondsville was pretty well
- worked out, it was the introduction of
- the Hamm mine in that time period.
- 22 And then turning over to
- 1992 to 2000, again Hammondsville,
- ²⁴ Argonaut, Rainbow, and the Hamm mine, and

- 1 supplier there is Luzenac who took over
- ownership from Cyprus Minerals.
- 3 2000 to 2001, the Argonaut
- 4 mine, the Rainbow mine, and the Hamm
- ⁵ mine. Again the supplier, Luzenac.
- 6 2001 to 2002 and 2002 to
- ⁷ 2003, it's the Argonaut mine. Supplier
- 8 is Luzenac.
- 9 Q. Now, in terms of the Val
- 10 Chisone, the Italian mines, do you know
- what mill was used for the talc that came
- out of that mine?
- A. Would you --
- Q. Where it was processed?
- A. Oh, where it was processed.
- 16 It was processed, actually at the Fontane
- mine, the mill was at the Fontane mine.
- 18 And that was where it was processed and
- bagged for shipment.
- Q. Okay. And do you know
- specifically for the Val Chisone mines,
- what shafts were being used during the
- period of time that Val Chisone was the
- supplier for the Johnson's Baby Powder?

- A. I don't know the names of
- ² the shafts, no.
- Q. Where -- do you have any
- 4 idea where we could get that information?
- ⁵ Well, let me ask a question. Maybe it's
- 6 not as important. Is the geology pretty
- ⁷ much all the same between the shafts so
- 8 that we don't have to really be
- ⁹ concerned?
- 10 A. That is my understanding,
- 11 yes. I mean, we go back to Professor
- 12 Pooley who did a thorough interrogative
- 13 review of that mine. He spent several
- days down that mine back as far back as
- in 1971, '72. He wrote up a big story of
- the geology of that mine or that mining
- area. And we know that it is a very
- clean mine, and it doesn't change, at
- least the area where it's been mined for
- the last many, many decades. It is
- 21 pretty well the same.
- O. So for example, if they did
- 23 a test in one shaft and they found X
- results, you could pretty much say, well,

- that would be indicative of what would go
- on in the another -- in the other shafts
- in the same mine; is that fair?
- MR. BICKS: Objection to the
- form.
- THE WITNESS: Again, I'm not
- a mining engineer or a geologist.
- 8 My understanding of the geology is
- that it is pretty well the same in
- that area in that Fontane mine.
- 11 BY MR. PLACITELLA:
- 12 Q. Now, in terms of the Vermont
- mines, other than the time that Eastern
- Magnesia owned the mines, those mines
- were all ultimately owned by Johnson &
- ¹⁶ Johnson correct?
- 17 A. They were -- they were owned
- by a subsidiary company of Johnson &
- Johnson, called Windsor Minerals.
- Q. And where was the talc
- 21 processed for the Vermont mines for
- Johnson's Baby Powder?
- A. There was a mill, a talc
- mill at the Hammondsville -- at the

- 1 Hammondsville facility, yes.
- Q. And it was always
- 3 Hammondsville?
- ⁴ A. That is my understanding,
- 5 yes.
- Q. Okay. Did the Hammondsville
- ⁷ mine, the Hammondsville -- scratch that.
- Did the Windsor mill process
- both commercial and cosmetic talc at the
- 10 same time?
- A. At the same time? What do
- you mean by at the same time?
- Q. During the same time
- 14 periods?
- 15 A. The industrial talc has been
- processed in the Hammondsville mill. Not
- at the same time. But it has been
- 18 processed at different times. Yes.
- Q. Did it use the same
- 20 equipment?
- A. I don't have the answer to
- 22 that. I don't know.
- Q. Now, in your prior
- deposition with Mr. Panatier -- do you

- 1 remember him?
- ² A. Yes.
- Q. You probably can't forget
- 4 him, right?
- A. I got on okay with
- 6 Mr. Panatier.
- ⁷ Q. Okay. You had a discussion
- 8 with Mr. Panatier about the Johnson mine
- ⁹ that was owned by Eastern Magnesia.
- Do you recall that?
- 11 A. Yes, it was owned by Eastern
- ¹² Magnesia, yes.
- 0. And you told Mr. Panatier
- that it was a serpentine mine that was
- owned by Eastern Magnesia for a few
- 16 years. Do you recall that?
- A. I believe that is the case,
- 18 yes.
- Q. Okay. And that in the
- Johnson mine they had a higher level of
- amphiboles than in the Hammondsville
- mine; is that fair?
- A. That is -- that is my
- recollection, yes.

```
1
                 Now, for a short period of
           0.
2
    time, do you understand that the Johnson
    mine was actually supplying talc for
    cosmetic Baby Powder?
5
                 That's not my understanding,
           Α.
6
    no.
7
                 MR. PLACITELLA: Can you
8
           give me Exhibit 4.
9
                  (Document marked for
10
           identification as Exhibit
11
           J\&J-4.)
12
                  (Document marked for
13
           identification as Exhibit
14
           Hopkins-2.)
15
    BY MR. PLACITELLA:
16
           Q. I'll show you what's been
17
    marked as Exhibit 4.
18
                 MR. PLACITELLA: I know I'm
19
           going to be asked what's the first
20
           page on the Bates number.
21
                  I'll tell that you. It's
22
           JNJH29W 000003709. So the first
23
           one will be 3708.
24
    BY MR. PLACITELLA:
```

- O. But I'm focusing on 3709.
- ² Do you see where it says, "Eastern
- Magnesia Talc Company, a Johnson &
- 4 Johnson company"?
- Do you see that?
- A. That's what it says in the
- ⁷ top line, yes.
- Okay. Do you see where it
- 9 says, "Application: As a base for
- perfumed baby powder, dusting powder foot
- 11 powder and pressed cake, packed face
- 12 powder."
- Do you see that?
- 14 A. Yes, you've read what was
- ¹⁵ written. Yes.
- O. Okay. And did you
- understand that the word EMTal stands
- 18 store Eastern Magnesia Talc Company?
- 19 A. I do, yes.
- Q. Do you see on the bottom it
- says, "EMTal is for cosmetics"? And it
- 22 says, "The following grades priced f.o.b.
- the Vermont plants are sold in the
- 24 cosmetic industry"?

- Do you see that?
- A. It does say they are sold in
- 3 the cosmetic industry, yes.
- Q. All right. Do you see where
- ⁵ it says -- and it has the EMTal, and it
- 6 has the number.
- Do you see that?
- 8 A. Yes.
- 9 Q. It lists Windsor, West
- Windsor as the plant?
- A. Yes.
- Q. And it also lists Johnson
- 13 Vermont as a plant.
- Do you see that?
- A. It does, yes.
- Q. And it gives the Johnson --
- it gives the EMTal number for the Johnson
- Vermont used for Baby Powder as 500 and
- ¹⁹ 549.
- Do you see that?
- A. It does, yes.
- Q. Okay. And if you go to the
- next page, if you go to Page 3 where it
- talks about tomorrow's market.

```
1
                  Do you see that?
2
           Α.
                  Yes.
3
           Q. On the bottom under 5, it
    says, "EMTCO," which is Eastern Magnesia
4
5
    Talc Company, "working to replace Johnson
6
    EMTals with West Windsor EMTals when and
7
    if Johnson cosmetic grades are eliminated
8
    due to arsenic content."
9
                  Do you see that?
10
                  You read what was written.
           Α.
11
    Yes.
                  So is today the first time
12
           Q.
13
    you learned that the Johnson mine
14
    actually supplied cosmetic talc for
15
    Johnson & Johnson for a short period of
    time?
16
17
                  MR. BICKS: Objection.
                                           No
18
           foundation.
19
                  THE WITNESS:
                                My
20
           understanding is that the Johnson
21
           mine never supplied cosmetic talc
22
           for Johnson's Baby Powder.
23
    BY MR. PLACITELLA:
24
                  That's not what this
           Q.
```

- document says, though, is it?
- A. I don't see anywhere where
- it says that Johnson's Baby Powder is
- 4 supplied from this Johnson mine.
- ⁵ Q. All right. Do you see if we
- ⁶ go backwards where it says, "Application:
- ⁷ B, as a base for Baby Powder"?
- A. Again, this is a
- 9 hypothetical document. It's saying we
- have this cosmetic industry, and we have
- talc which has an application, a
- potential application, I would read that,
- as a base for Baby Powder.
- There's no -- there's no
- date on this as to when this was. So...
- Q. And it says -- it doesn't
- say hypothetically, right? It says, this
- is a Johnson & Johnson document. "The
- 19 following grades priced f.o.b. the
- Vermont plants are sold in the cosmetic
- industry," correct?
- A. It says they're sold in the
- cosmetic industry. But nowhere does it
- say that they are sold as Johnson's Baby

- ¹ Powder.
- Q. Okay. Well, we would know
- that if we had the fact book going back
- 4 that far, right?
- 5 A. What we do know is that
- 6 the -- part of the talc in Baby Powder in
- ⁷ 1964 was the phase-in of the Italian talc
- on the talc from the Hammondsville mine.
- ⁹ There's no -- absolutely no evidence that
- Johnson's Baby Powder ever used talc from
- 11 a Johnson mine.
- Q. Well, you are saying no
- evidence, but here is evidence.
- A. No, it isn't.
- This says that someone is
- proposing that an application could be
- used as a base for baby powder. There's
- nowhere that it was ever used in any of
- 19 the specifications.
- Q. Just so -- just so -- so I
- don't want to quarrel with you about
- this. Just so the record is clear, this
- talks about an application for baby
- 24 powder and that the Johnson Vermont talc

- is being sold to the cosmetic industry in
- the very same document, correct?
- A. It says it's being sold
- ⁴ as -- someone has written that it's a
- ⁵ potential, I read that as potential, they
- ⁶ use the word potential in 4 above. Item
- ⁷ 1-4. So it just says it's possible
- 8 application in baby powder. Nowhere does
- 9 it say it's Johnson's powder.
- 0. Okay. So --
- 11 A. The company supplied talc,
- both industrial and cosmetic talc, to
- other suppliers, in particular industry
- 14 talc.
- O. So Johnson & Johnson owns a
- mine that's -- and they sell baby powder
- and they're selling their talc to others
- who are making baby powder? That's what
- 19 you're saying?
- A. No. Nowhere does this say
- we're actually selling it as baby powder.
- They're saying that this is -- this is a
- review document. It talks about the
- potential market share, how many tons are

1 available, what the EMTal -- EMTCO's 2 shipments or how many plants they've got, and it talks about the business and the business, saying we have the talc, which 5 an application is a base for perfumed 6 baby powder. 7 It doesn't say that they're 8 actually selling it as that. They're 9 saying it's an application. 10 MR. BICKS: For purposes of 11 accuracy, because I think you 12 know, but I think that if you ask, 13 the Johnson mine, I think was only 14 owned by Johnson & Johnson for a 15 very, very brief period of time. 16 So it's important to keep track of 17 the time frame here. 18 MR. PLACITELLA: So how 19 would you like to testify? 20 MR. BICKS: I'm trying to 21 help you out for accuracy because 22 I assume you know this. 23 MR. PLACITELLA: I know a 24 little bit about the Johnson mine.

- 1 BY MR. PLACITELLA:
- Q. So you know -- who is Roger
- ³ Miller?
- ⁴ A. He was president of Windsor
- ⁵ Minerals, the company that owned the
- 6 mine, the Hammondsville mine.
- ⁷ Q. And you know that he
- 8 testified under oath while he was working
- ⁹ for Johnson & Johnson that the Johnson
- mine sold cosmetic grade talc, correct?
- A. I didn't know that. But I
- believe you if you tell me.
- 0. Okay. Do I need to show it
- to you?
- A. No, I believe you. I said
- that. I believe if Roger Miller made a
- statement, then he made a statement.
- MR. PLACITELLA: Okay. Can
- you give me 213.
- 20 (Document marked for
- identification as Exhibit
- J&J-213.
- 23 BY MR. PLACITELLA:
- Q. By the way, I want to focus

- 1 now a little bit on the Hammondsville
- ² mine. Okay. There's no question that
- that was used for cosmetics, correct?
- ⁴ A. That's correct. That was
- ⁵ used to suppliers cosmetics, yes.
- Q. And you'll remember the last
- ⁷ time we were here together we went
- 8 through that before it became the
- 9 Hammondsville mine it was actually known
- as the Reading Asbestos and Talc Mine?
- 11 Remember that?
- 12 A. I wasn't aware of that, no,
- 13 no.
- Q. Do you remember -- you
- 15 testified about that last time?
- A. I do not recollect
- testifying that it was an asbestos mine,
- ¹⁸ no.
- Q. Okay. You don't recall you
- and I spending some time going over that
- the last time we were together?
- A. I do not recollect
- describing it as a Reading Asbestos mine.
- MR. BICKS: How are you

```
1
           holding up?
2
                 THE WITNESS: What time is
3
           it?
4
                 MR. PLACITELLA: Do you want
5
           to take a break? Totally up to
6
           you. Do you want to take five?
7
           Your stamina is great.
8
                 THE WITNESS: We'll go to
9
           half past. We'll go to 11:30.
10
    BY MR. PLACITELLA:
11
           Q. Exhibit 213 is a January 31,
12
    1996 memo entitled "Pilot Flotation Study
13
    on Argonaut Ore on West Windsor."
14
                 Do you see that?
15
           Α.
                 Yes.
16
                 Okay. And I'm going to
           Q.
17
    refer you to Bates Number 6749. That
18
    states that, "In 1989/90 the plant
19
    replaced its existing conventional
20
    multi-cell flotation system with three
21
    stages of column flotation." It said it
22
    never worked. It goes on to say, "Then
23
    in 1990/91 the Hammondsville mine ran out
24
    of ore and was completely replaced by the
```

```
Hamm mine."
1
2
                  Is that consistent with your
3
    understanding?
4
           Α.
                  Yes.
5
                  Okay. And of course you
           0.
6
    know that they were having an arsenic
7
    problem during this period of time,
8
    correct?
9
                 Who is "they"?
           Α.
10
                 People running the Hamm
           Ο.
11
    mine.
12
                  MR. BICKS: Objection to the
13
           form.
14
                  THE WITNESS: It says in the
15
           next sentence that there was --
16
           arsenic was worse. Yes, they were
17
           having to avoid the arsenic areas,
18
           certainly.
19
                  MR. PLACITELLA: Now, can
20
           you give me 121.
21
                  (Document marked for
22
           identification as Exhibit
23
           J&J-121.)
24
    BY MR. PLACITELLA:
```

- Q. J&J-121 is a July 16, 1976,
- ² memo from Alan Marks to Mr. Marshall.
- Who is Mr. Marks, if you know?
- A. I believe he was the
- 5 marketing manager on the business side.
- Okay. And does this
- ⁷ document indicate that in 1976 the
- ⁸ Argonaut mine was approved as an
- 9 alternate source for Johnson's Baby
- 10 Powder?
- MR. BICKS: Objection. No
- foundation.
- THE WITNESS: Talc from the
- 14 Argonaut mine was approved as an
- alternative source, yes.
- 16 BY MR. PLACITELLA:
- o. In 1976?
- 18 A. It had been approved, and it
- was parked, if you like, because there's
- 20 plenty of mine supply from the
- Hammondsville mine.
- Q. And this Argonaut mine was
- used for cosmetics, will you agree?
- A. Argonaut talc has been used

```
1
    for cosmetics, yes. In '75 onwards.
2
                  MR. PLACITELLA: Can you
3
           give me 201.
4
                  (Document marked for
5
           identification as Exhibit
6
           J&J-201.)
7
    BY MR. PLACITELLA:
           Q. 201 is the specification for
8
9
    Grade 66 for Cyprus Windsor Minerals
10
    Corporation.
11
                  Do you see that?
12
           Α.
                 Yes.
13
           Q. Okay. And if you go to
14
    Bates Number 441. I think I tagged it
15
    for you to make it easy.
16
           Α.
                 Yes.
17
                  That indicates that as of
    the time this document in 1992 was
18
19
    written, that the following mines are
20
    qualified and approved to provide ore for
21
    Grade 66 talc. And it lists the
22
    Hammondsville mine, the Argonaut mine,
23
    the Rainbow mine, and the Hamm mine
24
    correct?
```

1 You read what was written. Α. 2 MR. PLACITELLA: Give me 3 211. (Document marked for 4 5 identification as Exhibit 6 J&J-211.) 7 BY MR. PLACITELLA: 8 Q. J&J-211 is dated January 5, 9 1996. You've seen this before, correct? 10 It's a letter to Carol Wilkes of 11 Johnson & Johnson? 12 Yes. I have seen this, yes. Α. 13 O. And if you go to Bates 14 Number 598, it also discusses the fact 15 that the Argonaut mine was qualified by 16 J&J to supply cosmetic talcum powder in 17 1975, correct? 18 A. That's what is written, yes. 19 Q. And contained in this is a July 17, 1995 letter. Do you see that? 20 21 It's the -- the Bates number is cut off 22 at the bottom. But it's a letter to a 23 Doug Baker from Johnson & Johnson. 24 Do you see that?

- A. Yes, I do. Yes.
- Q. Okay. And as of this point
- in time, it indicates that Johnson &
- 4 Johnson has signed off on Argonaut
- 5 providing 50 percent of the talc used for
- ⁶ Johnson immediately, correct?
- A. Yes. That's what's written.
- ⁸ Q. And is it your understanding
- ⁹ that by 2000, the Hammondsville mine had
- totally run out of ore?
- 11 A. It hadn't actually run out.
- 12 It was liable to flooding, and so it
- was -- it wasn't being used.
- MR. PLACITELLA: That's 222.
- 15 BY MR. PLACITELLA:
- Q. Now, for the mines that were
- owned in Vermont that were owned by
- Johnson & Johnson, have you ever seen any
- of the drill core logs. Do you know what
- ²⁰ a drill core log is?
- 21 A. Yes, I do.
- Q. What is that?
- 23 A. Well, it's a -- well, a
- drill core is where you take a diamond

- drill and drill down into the ground to
- look at the quality of the material that
- you're going to be mining so you know
- 4 where to go and where to avoid. And so
- 5 the geologist can identify where the talc
- is and where it isn't.
- Okay. And have you seen
- 8 drill core logs or have you reviewed
- ⁹ drill core logs for all of the mines that
- were owned by Johnson & Johnson?
- 11 A. I have seen drill core logs.
- 12 I'm not sure I've seen all of them.
- 13 Probably certainly not seen all of them.
- 14 That's the responsibility of the
- 15 geologist to define where the talc is and
- where it isn't. And from that data, you
- can then move forward to mine good
- quality talc. But I have seen drill core
- 19 logs, yes.
- Q. Do you know whether the
- 21 drill core logs were all stored in the
- same place for all the mines that Johnson
- ²³ & Johnson owned?
- A. I don't know where they were

- 1 stored. I do not know that, the answer
- ² to that.
- Q. Do you know whether
- 4 Johnson & Johnson still has the drill
- 5 core logs for the various mines that it
- 6 owned historically?
- A. My understanding is that
- 8 the -- all that information would have
- been passed over to Cyprus Minerals who
- purchased the mining area in that time
- ¹¹ frame, 1979, '80.
- Q. So Johnson & Johnson did not
- 13 retain any of that information? They
- just handed it all over?
- 15 A. It became part of the sale
- of the mine along with the mine logs.
- MR. BICKS: He said '79,
- '80. I think he -- '89.
- THE WITNESS: Sorry, '89.
- Yeah.
- 21 BY MR. PLACITELLA:
- Q. That's fine. What about
- the -- what's a mineralogic map?
- A. Mineralogic map is something

- that you can create once you've got your
- information from the diamond core drills,
- you can find out where certain minerals
- ⁴ are and where you can avoid certain areas
- 5 and where, basically if you're looking
- for talc, you look for where the talc is
- ⁷ and where -- where it isn't.
- 9 Q. Okay. Did Johnson & Johnson
- 9 maintain mineralogic maps for the mines
- that it owned historically?
- 11 A. My understanding, that that
- was the outcome of the core drilling.
- 13 You'd then be able to create a
- mineralogic map, yes.
- Q. Whose responsibility was it
- to maintain those maps at Johnson &
- ¹⁷ Johnson?
- 18 A. The maps were part of the
- mining operation in Vermont. And they
- were -- would be the responsibility of
- the mine operators, which I said was run
- as a separate operating company. Windsor
- Minerals Inc. was a separate subsidiary.
- 24 Although owned by Johnson & Johnson, it

- was a separate company.
- Q. Were copies of those maps
- 3 provided to Johnson & Johnson?
- ⁴ A. I personally have not seen
- 5 copies of those maps. Like I say, the
- 6 responsibility for mining and going to
- ⁷ the mining areas where you're looking for
- 8 talc is the responsibility of the mining
- 9 company. And that would -- that should
- be with the mining company.
- 11 O. So Johnson & Johnson has
- never had possession, physical possession
- of those maps. Is that what you're
- 14 saying?
- 15 A. I don't know the answer to
- that question, whether they had some of
- the maps or were able to obtain some.
- But they're very much part of Windsor
- 19 Minerals' property, that they would have
- that, because if you were mining in an
- 21 area in another state -- I mean, Vermont
- is quite some distance away from New
- Jersey -- then that's where you'd expect
- 24 to have that information.

- 1 Q. Have you ever seen the
- ² mineralogic maps yourself?
- A. I have not seen -- I have
- 4 seen a mineralogic map, one or two of
- ⁵ these. I reviewed them this past week.
- ⁶ I think I've seen certainly one. But for
- ⁷ the main mines, no, I have not.
- 9 Q. When you say main mines,
- ⁹ what do you mean by that?
- 10 A. Well, you mentioned the
- mine -- the Hamm mine, the Argonaut mine,
- the Hammondsville mine, the Rainbow mine.
- 13 Those -- those would be part of the
- mining operation.
- O. Before we break, just going
- back to the Johnson mine, you know that
- the Johnson mine was owned by Johnson &
- Johnson, correct, at one point in time?
- 19 A. It was probably the Eastern
- Magnesia Talc Company, and Johnson owned
- that for a very short period of time. I
- don't know if it was months. I believe
- it was months, but not for a long period
- 24 of time.

1 Why did they get rid of that 0. 2 mine? 3 A. I don't know. I do not want 4 to speculate. It was something going 5 back, I don't know, 50 years now. 6 I'm just asking if you know. 0. 7 I do not know, no. Α. 8 MR. PLACITELLA: Okay. This 9 would be a good time if you want. 10 MR. BICKS: Okay. 11 THE VIDEOGRAPHER: All 12 right. Stand by. Remove your 13 microphones. The time is 14 11:23 a.m. Going off the record. 15 (Short break.) 16 THE VIDEOGRAPHER: Okay. We 17 are back on the record. The time 18 is 11:43 a.m. 19 MR. BICKS: Before we start 20 Mr. Placitella, let me just let 21 you know that during this short 22 period of time in response to your 23 comments about this fact book, I 24 believe that certain fact books

have been produced to you and we will try to make a good faith effort to try to help you find materials that I think you have access to. But I can tell you that just very quickly doing very basic computer searches, that we identified materials that I think are the ones that you were alluding to. MR. PLACITELLA: I wasn't saying that anyone was holding anything back. I just couldn't find it. So if you give me the fact books, then I'll ask him questions about it. MR. BICKS: Right. I wanted to respond to that, because there is a question whether you had them, whether they were produced.
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is a question whether you had them, whether they were produced.
them, whether they were produced.
chem, whether they were produced.
22 NAD DI A CIMUITA A 17 - 1 T
MR. PLACITELLA: Yeah, I
couldn't find them. That's all.
MR. BICKS: Right, right.

1 MR. PLACITELLA: So whatever 2 you have, you can bring it. 3 MR. BICKS: I wanted to let 4 you know that. 5 MR. PLACITELLA: I 6 appreciate that. 7 Okay. Let me know. We're 8 ready. 9 THE VIDEOGRAPHER: We're on 10 the record. 11 MR. PLACITELLA: We're 12 ready? Oh, we're on the record. 13 Okay. 14 BY MR. PLACITELLA: 15 Q. I wrote down some names of 16 things I found in documents. The first 17 name is benzyl acetate. Do you know what 18 that is? 19 It's a chemical, yes. 20 And by trade, you're a 0. 21 toxicologist? 22 Α. Yes. 23 Q. Okay. Do you know whether 24 benzyl acetate has ever been incriminated

- 1 as a carcinogen?
- A. I know that benzyl acetate
- is a food flavor material. It's approved
- ⁴ for food flavors. I'm not aware that
- ⁵ it's ever been listed is as a carcinogen.
- 6 But it's certainly -- it's used as food
- ⁷ flavoring.
- 9 Q. So you don't know whether it
- 9 was -- do you know whether it was listed
- as a known or suspected carcinogen?
- A. Well, if it's approved as a
- 12 food ingredient, a food flavor for candy
- or what have you, then it's highly,
- 14 highly unlikely that it would be
- implicated as a carcinogen.
- O. Do you know whether that
- product was ever used in Johnson's Baby
- 18 Powder?
- A. Well, again, the answer is
- that without having a disclosure of the
- fragrance, I do not know. You've listed
- 22 an ingredient which is used in flavors.
- 23 It's used in fragrances. It's used in
- 24 foods and candies and things like that.

- So it gets used -- but
- whether it was ever in Johnson Baby
- ³ Powder fragrance.
- O. What candies, because I'm
- 5 not going to eat them anymore? Do you
- 6 know what candy?
- A. I don't. It is approved as
- ⁸ a food ingredient, food flavor.
- 9 Q. I don't want my kids eating
- that. The next document, the next name,
- 11 by the way is what?
- 12 A. It says benzaldehyde.
- 0. What's that?
- A. Again, that's another
- 15 chemical -- it's one that smells and
- tastes of almonds. It's the almond smell
- basically. It's an almond smell. Again,
- that's -- that is used in food flavoring
- 19 as well.
- Q. And do you know if that's
- ever been incriminated as a known or
- suspected carcinogen?
- A. Again, if it's approved in
- food flavorings, then the intention must

- be that it was never regarded as a
- ² carcinogen. It is a food flavoring
- ingredient. So it should not be. You
- 4 would not -- the agencies that approve
- ⁵ food flavorings are not going to approve
- 6 carcinogens.
- 7 Q. That's okay. You can eat
- 8 that stuff.
- ⁹ A. The science of toxicology
- 10 relates to how much dose. There are
- many, many ingredients that are hazardous
- 12 at high levels, and at safe levels, the
- body metabolizes them, excretes them, and
- they're safe. So it all depends on dose.
- Q. Just yes or no. Has this
- 16 chemical ever been incriminated as a
- known or suspected carcinogen, if you
- 18 know?
- MR. LOCKE: Objection.
- THE WITNESS: Again, I don't
- have that information in front of
- me. I'm not aware that it has.
- But I don't have that information
- to give you 100 percent definitive

```
1
           answer.
2
    BY MR. PLACITELLA:
3
                 All right. So if for
4
    example your supplier was giving you that
5
    and they were keeping it secret from you,
6
    you wouldn't know that?
7
                 MR. BICKS: Objection to the
8
           form.
9
                  THE WITNESS: Again, you're
10
           asking me to speculate. What I've
11
           said is that when a supplier
12
           provides a fragrance, the supplier
13
           does so from a list of fragrance
14
           ingredients that are recognized as
15
                  They use that as a basis to
           safe.
16
           move ahead and formulate their
17
           fragrance --
18
    BY MR. PLACITELLA:
19
                 Well, whose --
           0.
20
                 -- using it as a fragrance.
           Α.
21
                 Just so we're clear,
           0.
22
    recognized as safe from their own trade
23
    association?
24
                 No. There is a --
           Α.
```

- 1 0. Correct?
- A. No. There's a designation,
- ³ GRAS, generally recognized as safe. And
- 4 that designation is given by the EEA. It
- 5 comes under auspices of the Food and Drug
- 6 Administration for many ingredients, many
- ⁷ flavors. Specifically, its GRAS
- 8 status -- GRAS status. So --
- 9 Q. So it's your testimony that
- these two chemicals that we've gone
- through so far have been recognized by
- the FDA as safe?
- A. No, that's not my testimony
- at all. Without doing extensive research
- into looking at the safety profile of
- those ingredients and where they're used
- and how they are used, I couldn't answer
- 18 that question.
- 0. Okay.
- A. Again, it's speculative.
- 21 And without having done the extensive
- research to look at -- I mean, there are
- three thousand different fragrance
- ingredients. I could not remember every

- single toxicology profile that's ever --
- Q. I'm not asking you to, sir.
- ³ I want to know what you know, or what J&J
- 4 knows.
- 5 The next chemical, what's
- 6 that?
- ⁷ A. Citral.
- 8 O. What is that?
- ⁹ A. Citral is a simple chemical.
- 10 It's main constituent of oranges and
- 11 lemons. It's certainly an orange peel
- lemon peel. Again, that's widely used in
- 13 candy flavors, food flavors. It's a
- simple naturally occurring molecule.
- Q. Do you know whether that's
- ever been incriminated as a known or
- suspected carcinogen at any level?
- A. I do not know if it has been
- implicated as a known carcinogen. It
- is -- again, it is -- we eat it every
- 21 day. If you eat jam or marmalade made
- from oranges, then you're eating quite a
- lot of citral.
- Q. Okay. I'm learning

- 1 something. I'm going to change my diet
- ² after this dep. Coumarin, what is that?
- A. Coumarin is -- again,
- 4 it's -- it is a flavor. It has a
- 5 particular note that's used in some
- ⁶ flavors and fragrance.
- ⁷ Q. Has it ever been implicated
- 8 as a known or suspected carcinogen?
- 9 A. I don't believe coumarin
- has. There are derivatives of coumarin.
- 11 I think one is 7-hydroxy-coumarin, which
- is a suspect material. But coumarin is
- used in fragrance, and it's used in
- 14 flavors.
- Q. Okay. The next one, give me
- the right pronunciation.
- 17 A. Limonene. Or D-limonene.
- 18 Again, limonene is -- it's exactly the
- 19 same as citral. If you eat orange jam or
- orange marmalade or those products, it is
- ²¹ a main constituents of citrus peel.
- Q. Do you know if that's ever
- been incriminated as a known or suspected
- ²⁴ carcinogen?

- A. I do not believe it has.
- We're eating -- well, if you
- ³ eat oranges or orange marmalade or orange
- ⁴ jam. There are many, many chemicals.
- ⁵ Q. I want to make sure, if I
- 6 don't eat the peel I'm not eating this
- ⁷ stuff, right? I want to get something
- 8 out of this deposition.
- ⁹ A. There will be -- there will
- be some limonene in the fruit, in the
- 11 actual orange itself. Yes.
- Q. Okay. And the last one?
- 13 A. Eugenol. Yeah, eugenol
- is -- again, that's used in flavors and
- 15 fragrances. It's also used in dentistry
- as a packing material in a cavity if you
- have a cavity, dentist will put some
- eugenol in as a base for the filler
- material, restorative material. It's
- been used -- eugenol a natural material.
- It's found in many, many flower extracts.
- Q. Has that ever been
- implicated as a known or suspected
- ²⁴ carcinogen?

- A. Not to my knowledge, no.
- Q. Do you know as you sit here
- 3 today whether any of these chemicals that
- ⁴ I've highlighted were ever put in
- Johnson's Baby Powder?
- A. I don't have the answer to
- ⁷ that. They may or may not have been part
- ⁸ of the fragrance or fragrances. Like I
- 9 said, if you have a lemon peel extract or
- an orange peel extract, they could well
- 11 contain some citral or limonene.
- Q. But you don't know as you
- 13 sit here today?
- A. I don't, because as we said
- earlier, the formulation for the
- 16 fragrance is proprietary to the fragrance
- company.
- Q. Right. It was kept secret
- by them from you?
- A. And that's standard
- throughout the whole -- whether you're
- fragrance is a body wash or shampoo or
- what have you.
- Q. Okay. So you have

- previously testified, am I correct, that
- ² Johnson & Johnson had a no tolerance
- policy for carcinogens in the Johnson's
- ⁴ Baby Powder, correct?
- ⁵ A. Yes.
- Okay. And you testified in
- ⁷ the Herford trial that if you found out
- 8 that the product contained a carcinogen,
- ⁹ you would pull it from the market,
- 10 correct?
- 11 A. Yes. If a product was
- carcinogenic, you wouldn't sell it. It
- would actually be illegal, I think.
- Q. No, if the Johnson's Baby
- 15 Powder or Shower to Shower contained a
- 16 carcinogen and you found out about it,
- you would pull it from the market,
- 18 correct?
- 19 A. If the product was
- carcinogenic, you would pull it from the
- market.
- Q. Okay. Now, is there a safe
- level, to your knowledge, for exposure or
- ingestion of nickel?

```
Well, let me ask the question --
```

- A. Okay. As a toxicologist --
- 4 can I answer as a toxicologist?
- ⁵ Q. Well, let me ask you the
- ⁶ question this way.
- ⁷ Is -- has nickel been
- ⁸ implicated as a known or suspected
- ⁹ carcinogen?
- 10 A. There are -- I think there
- 11 are about 200 different kind of nickel
- 12 salts. Certain nickel salts, some of
- those are implicated as carcinogens. On
- the other hand, nickel is recognized by
- 15 nutritionist as what's known as a
- micronutrient. In other words, we need a
- small amount of nickel to metabolize
- carbohydrates. It's probably nanograms
- 19 per day. But along with several other
- micronutrients like cobalt, and others,
- it is regarded as part of our diet. And
- certainly nickel is found in many, many
- 23 foods.
- Q. Has nickel been implicated

- 1 as a carcinogen, yes or no?
- A. Okay. Nickel fumes, where
- ³ nickel or nickel ores are roasted in
- 4 smelting operations where mine work --
- ⁵ sorry, workers are manufacturing
- 6 stainless steel from nickel alloys, there
- ⁷ is indications -- there is an I-A-R-C,
- 8 IARC, review which indicates that, in
- ⁹ those circumstances, nickel can be a
- 10 carcinogen.
- But it's also -- as I said,
- it's also part of our diet. And like
- iron and magnesium, we take it in every
- 14 day.
- O. But the answer to my
- question is, nickel is considered a
- 17 carcinogen?
- A. Nickel is considered by the
- 19 International Agency For Research on
- ²⁰ Cancer as a carcinogen to employees,
- workers, exposed to high levels of nickel
- fumes in those circumstances. So the
- answer to that part of the question is
- 24 yes.

```
1
                         Is chromium
                 Okay.
           0.
2
    considered a carcinogen?
3
                 MR. SILVER: Objection to
4
           form.
5
                  THE WITNESS: Similar story.
6
           I mean, I take a chromium
7
           supplement every week. It's
8
           chromium picolinate. Chromium is
9
           again one of those micronutrients
10
           that we need in our diet to help
11
           metabolize glucose.
12
                  There are dozens and dozens
13
           of different chromium salts.
14
           international agency for research
15
           on cancer has identified what are
16
           called hexavalent chromium as a
17
           carcinogen. But that's quite
18
           different from the chromium that
19
           we have in our diet.
20
    BY MR. PLACITELLA:
21
                 So the answer to my question
22
    is chromium is considered a carcinogen?
23
                 MR. SILVER: Objection to
2.4
           form.
```

1	THE WITNESS: Certain
2	chromium salts in what are called
3	a hexavalent form are considered
4	by the International Agency For
5	Research on Cancer as potentially
6	carcinogenic at those appropriate
7	dose levels. There are many
8	chromium salts which are reviewed
9	and not considered as
10	carcinogenic.
11	BY MR. PLACITELLA:
12	Q. What about cobalt? Is that
1 1 1	
13	considered a carcinogen?
13	considered a carcinogen? MR. SILVER: Objection to
14	MR. SILVER: Objection to
14	MR. SILVER: Objection to form.
14 15 16	MR. SILVER: Objection to form. THE WITNESS: No, without
14 15 16 17	MR. SILVER: Objection to form. THE WITNESS: No, without cobalt we'd die. Cobalt is the
14 15 16 17 18	MR. SILVER: Objection to form. THE WITNESS: No, without cobalt we'd die. Cobalt is the center of the there's a vitamin
14 15 16 17 18	MR. SILVER: Objection to form. THE WITNESS: No, without cobalt we'd die. Cobalt is the center of the there's a vitamin B12 that we take in our diet or we
14 15 16 17 18 19 20	MR. SILVER: Objection to form. THE WITNESS: No, without cobalt we'd die. Cobalt is the center of the there's a vitamin B12 that we take in our diet or we take as a supplement, and every
14 15 16 17 18 19 20 21	MR. SILVER: Objection to form. THE WITNESS: No, without cobalt we'd die. Cobalt is the center of the there's a vitamin B12 that we take in our diet or we take as a supplement, and every molecule of vitamin B12 has cobalt

- ¹ BY MR. PLACITELLA:
- Q. Okay. What about in its
- ³ non-nutritional state? Is it a
- 4 carcinogen?
- ⁵ A. Well, there are -- again, as
- ⁶ with nickel and many others, there are
- ⁷ many, many different salts. I think the
- 8 overview is that cobalt, you're unlikely
- ⁹ to be exposed to much cobalt. It's just
- not -- it's only present in parts per
- million in the soil; and therefore, it's
- in most of our diet, in grains, juices,
- fruits, various things we eat. So at
- 14 certain dose levels that we take in our
- diet, it's an essential requirement.
- Whether taking vast amounts
- would be carcinogenic, I don't know. I'm
- not aware that anyone has ever exposed
- themselves to extremely large amounts.
- Q. So let me ask you this.
- With respect to Johnson Baby Powder or
- 22 Shower to Shower, was there a limit of
- the amount of nickel that would be
- permitted to be included in the product?

- A. Yes. The specification for
- the talc has a specification where it
- ³ sets a limit for nickel.
- 4 O. What is that?
- ⁵ A. Let me think. Let me think.
- ⁶ Is it .5 parts per million. I haven't
- ⁷ got the document in front of me. I don't
- ⁸ want to get into a memory test. There is
- ⁹ a specification. That has been provided.
- 10 And it lists out the limits for things
- like heavy metals at 10 parts per
- million, arsenic at between 2 and 3 parts
- per million.
- Q. Okay. Let's go through
- 15 that.
- So -- and if it turns out
- that you're wrong, you're wrong. We'll
- 18 fix it. Arsenic, you think the limit is
- what? Let's write them down so we have
- ²⁰ it.
- A. Arsenic reflects the
- specification of the United States
- 23 Pharmacopeia for talc. The limit
- currently, I believe, is 2 parts per

- ¹ million. It has varied between 2 and 3,
- but it's always been within the limits of
- ³ the United States Pharmacopeia.
- Q. Okay. So one, nickel,
- 5 .5 parts per million?
- A. Again, I would need -- this
- ⁷ is not a memory test. I would need to
- 8 look. And you have the specification of
- ⁹ products. We can look it up at any
- point.
- 11 Q. Well, if you have something
- that you want to look at, please let me
- 13 know.
- A. No, I've only got what
- you've given me. I don't have it here.
- Q. Okay. Well, if you want to
- take a break and look, that's fine.
- 18 Arsenic?
- A. Again, it meets the United
- 20 States Pharmacopeia, which currently --
- which currently the J&J talc one is 2
- 22 parts per million.
- Q. Okay.
- A. At times varied between 2

- 1 and 3 .
- Q. 2 parts per million.
- Okay. What about cobalt?
- A. Again, I can't remember it.
- ⁵ It's the -- if it's -- whatever isn't the
- ⁶ United States the Pharmacopeia limit, the
- 7 company has chosen to adopt either the
- 8 European Pharmacopeia or the
- ⁹ International Pharmacopeia.
- And again, I cannot remember
- what it is, but there is a specification
- 12 for cobalt which meets the -- any of
- the -- the best of the international
- 14 standards.
- O. You don't know what it is?
- A. Without looking it up, no, I
- don't. You have that data in the -- in
- the files as a specification.
- 0. Okay. Well, you have the
- data too, don't you? I got it from you.
- A. Yeah, I didn't bring it with
- 22 me.
- Q. Okay. But you did look --
- you did look at it, right?

- A. You've got it -- you've got
- ² it right there.
- Q. Okay. All right. What
- 4 about lead?
- ⁵ A. Yes. There's a limit for
- 6 lead.
- O. How much?
- A. I believe it's currently 10
- 9 parts per million. Again, not just in
- the United States Pharmacopeia.
- 0. Okay. And what about
- 12 chromium?
- A. Did we do chromium? I can't
- 14 remember. Again, it matches whatever the
- best of the International or United
- 16 States Pharmacopeias.
- 0. What's the best?
- A. Again, I can't remember
- without checking the -- checking the
- specification.
- 21 Q. Okay.
- A. But you have that
- information.
- MR. PLACITELLA: Okay. Can

- you give me Exhibit 93.
- 2 BY MR. PLACITELLA:
- Q. I know I've gone through
- 4 this with you before. But Mr. William
- 5 Ashton, we know who he is?
- ⁶ A. Yes.
- Q. Who -- what was his role at
- 8 Johnson & Johnson?
- ⁹ A. He was a senior research
- 10 scientist involved with talc.
- 0. Okay. Was he politely known
- 12 as Mr. Talc?
- A. Yes. I've seen that
- descriptor. And he was an expert in
- 15 talc.
- O. And who is Mr. G. Lee?
- A. George Lee, he was a senior
- scientist in the baby products division.
- Q. And what about D.R.
- Petterson, who was he?
- A. Petterson with two Ts?
- Q. Mm-hmm.
- A. He was -- he was -- I think
- 24 he was a research director at some point.

1 P-E-T-T. Yes. 2 And how about Dr. Semple? 3 Who was he? 4 He was a medical director. Α. 5 He's M.D. qualified. At one point he 6 also became research director in the 7 1980s. 8 O. So he was the medical 9 director for the whole company? 10 For the baby products Α. 11 company. 12 Q. I'm going to show you 13 Exhibit 93. 14 MR. PLACITELLA: I have a 15 bunch of copies. If they're 16 short, we made a lot. 17 MR. BICKS: Some of them you 18 highlighted. 19 MR. PLACITELLA: Yeah, I 20 highlighted on purpose. 21 MR. BICKS: What? 22 MR. PLACITELLA: I -- that's 23 my highlighting. 24 (Document marked for

```
1
           identification as Exhibit
2
           J&J-93.)
    BY MR. PLACITELLA:
4
              So you have in front of you
5
    Exhibit 93 which is an April 28, 1976
6
    confidential memo from Mr. Ashton
    entitled "Trace Metals in Talc."
7
8
                 Do you see that?
9
                 I see that, yes.
           Α.
10
                 And Mr. Ashton starts out
           Ο.
11
    saying, "There's a wide variety of trace
12
    metals in talc at the levels of parts per
    million and below. Our Vermont talc
13
14
    contains more different metals than do
15
    other high grade talcs in the number of
16
    metals and the content of those metals."
17
                 Do you see that?
18
           Α.
                 Yes.
19
           Q. And you've seen this
    document before?
20
21
                 I believe I have. Yes.
           Α.
22
                 Okay. He then goes on to
           0.
23
    say, in terms of limits, "Our talc is
24
    produced under a spec of a maximum of 2
```

- parts per million for arsenic and 10
- ² parts per million for heavy metals,
- 3 reported like lead," correct?
- ⁴ A. Yes. That is what is
- ⁵ written, yes.
- Okay. And he talks about an
- ⁷ analysis that was done of your product,
- 8 correct?
- ⁹ A. Yes.
- Q. Okay. And in that analysis
- 11 he says -- he talks about iron, nickel,
- copper, magnesium, aluminum, silicon,
- calcium, titanium, chromium, manganese,
- and zinc, correct?
- 15 A. Yes.
- O. Okay. And he states on the
- 17 first page that using the x-ray
- 18 florescence methodology, he normally sees
- metals above 15 or 20 parts per million
- inside and outside of the talc lattice,
- 21 correct?
- A. Yes. You read what he
- wrote.
- Q. That's higher than all the

- 1 numbers that you just gave me, right?
- A. Well, that's inside and
- outside, the talc lattice. The numbers
- 4 that I gave you related to those metals
- ⁵ which would be available. If it's
- ⁶ trapped inside the talc lattice, it is
- ⁷ trapped. It will never come out.
- 8 Q. Well, it says inside and
- 9 outside, doesn't it?
- 10 A. Yes. And he's combined the
- 11 two.
- 12 Q. So clearly he believes some
- of it's getting out or he wouldn't have
- wrote it that way?
- MR. BICKS: Objection to
- form.
- THE WITNESS: No, it
- can't -- it won't get out if it's
- trapped in the lattice.
- 20 BY MR. PLACITELLA:
- Q. So there's some outside, and
- there's some inside?
- A. That would be the inference.
- Q. Okay. On the next page when

- it comes to nickel, he says, "It's normal
- to find about 1,500 parts per million in
- 3 Vermont 66, and over the past few years
- 4 it has ranged from 1,000 parts per
- 5 million to 3,000 parts per million,"
- 6 correct?
- A. Yes. That's -- that, as we
- 8 said two minutes ago, is the material
- ⁹ that is -- and he talks about it on the
- next page, Page 3, which is evidence that
- it's tied up in the lattice. It will not
- come out. It is part of the structure of
- the inside of the talc particle. It's
- 14 not soluble. It's part of the crystal
- 15 structure.
- O. Okay. What was my question?
- 17 A. You said what was there. I
- said yes, I agreed with what you had
- written, up to 3,000 parts per million.
- Q. Up to 3,000 parts per
- million.
- 22 A. Yes, and I --
- Q. And that compares -- and you
- told me that the permissible level for

- ¹ nickel was .5 parts per million. So how
- 2 many more times -- it looks to me that
- would be like 6,000 times more reported
- 4 than you say was allowable?
- A. No. You're comparing apples
- 6 with pears. The test method to measure
- ⁷ the allowable limit is the amount that
- 8 will actually come out when you do the
- ⁹ test. In other words, what could be
- available to be on the -- be onto the
- skin. If something is trapped inside,
- then it's trapped inside. It will never
- come out. So it's important when we look
- at the test method, when we set a limit,
- that test method measures what is
- actually available and what can come out
- into -- out from the product.
- Q. Why are you testing all this
- 19 stuff if you don't care about it?
- A. That's not true. We do care
- about it. What you're testing is to
- assure that the amount that may be
- 23 available to come out and contact the
- skin is within the limits that you've

- ¹ set.
- Q. Well, you understand that
- ³ biologically, even if it's within the
- ⁴ talc lattice, once it gets into the body,
- 5 it will be processed and some of that
- 6 will become available to human tissue,
- ⁷ correct?
- A. No, it's not correct.
- ⁹ There's no enzyme in the human body which
- will dissolve a talc molecule or
- 11 particle.
- Q. Okay. So it's your
- testimony that the 3,000 parts per
- million was within the permissible range
- of nickel in your talc?
- 16 A. Permissible range relates to
- the material that's available. And
- that -- the talc specification specifies
- ¹⁹ a limit. And we are talking clearly
- ²⁰ apples and pears. If you are talking
- about the 2- to 3,000 parts per million,
- that is not available, and that's not
- measured. It's only measured when you
- use a particular form of analysis, atomic

absorption spectroscopy, which looks 1 2 right inside the talc molecule, talc particle. So no one was worried about 4 5 this back then? They were just writing 6 it down? 7 MR. BICKS: Objection to the 8 form. 9 THE WITNESS: People were 10 interested to know the full 11 structure of the -- atomic 12 structure of the talc particle. 13 And, therefore, by using atomic 14 absorption, you're able to say, 15 hey, there's actually 2- to 16 3,000 parts per million of nickel 17 trapped inside. 18 But because we've done the 19 appropriate tests according to 20 United States Pharmacopeia and 21 other Pharmacopeias, we know that 22 that is not biologically 23 available. 24 BY MR. PLACITELLA:

- Q. Can you show me what tests
- you conducted specifically
- 3 contemporaneous with this report that
- 4 would indicate that none of the nickel
- ⁵ reported in this 3,000 parts per million
- 6 came outside the talc lattice?
- A. Okay. I have reviewed that
- 8 document the last couple of days. There
- ⁹ is a study which used iron probe analysis
- 10 to look at that. And further studies
- using simulated gastric juice to see if
- 12 you could dissolve it out. Those
- studies, I'm 110 percent sure were given
- to yourselves. That's part of the
- document depo.
- Q. Well, can you produce that
- document for me? Do you have it
- somewhere? You said you relied upon it.
- 19 It's part of your testimony?
- A. I've seen it this week, yes.
- I don't have it in front of me, but it is
- ²² available.
- Q. You can get it at a break
- 24 and give it to me?

- 1 A. It's already been made
- ² available to you as well.
- Q. Okay. But you'll give it to
- 4 me so I can ask you questions?
- MR. BICKS: Direct those
- questions to me rather than to
- him, the materials that you have
- 8 that you can't find.
- 9 BY MR. PLACITELLA:
- 0. Okay. The next listing says
- that you found cobalt up to 90 parts per
- million, correct?
- A. By -- by that test method of
- atomic absorption, yes, that's right,
- 15 yes.
- Q. And that you found chromium
- in your product from 100 to 300 parts per
- million, correct?
- A. By that particular test
- method, yes.
- Q. Okay. Now, can you go to
- the next page where it talks about
- nickel. It talks about heavy metals in
- the Vermont talc, Vermont 66.

```
Do you see that?
```

- ² A. Yes.
- Q. And it says, "We have firm
- 4 documentation that the nickel in our talc
- ⁵ is tied up in the talc lattice."
- Do you see that? That's
- 7 what you just said, right?
- 8 A. Yes.
- 9 Q. Okay. Then it says, "The
- documentation supports recent statements
- to the media. The documentation does not
- mean that all the nickel in our talc
- concentrate is tied up in the lattice.
- 14 It is very likely that it's not all tied
- up in the talc."
- 16 Correct?
- 17 A. Yes. You read what is
- written. And that is correct.
- Q. Now, go to the -- Page 4,
- under general comments, Mr. Ashton
- states, "Although the recent adverse talc
- ²² publicity only alluded to the presence of
- nickel and cobalt in a few places, we
- must prepare for the inevitable

- ¹ probability that investigators other than
- ² Mount Sinai will be taking deeper looks
- into trace metals in talcs."
- Do you see that?
- A. Yes, that's what he wrote.
- Q. And he states, "The data
- ⁷ attached gives a picture of our
- 8 vulnerability compared to some body
- 9 dusting powder talcs in the U.S.A.
- 10 Also included is data I have
- just developed on key trace metals in our
- head feed, the tailings, and their
- concentrate, V 66?"
- Then he concludes, "I'm not
- too happy with the implications,
- particularly since I have high degree of
- confidence in the reliability of the
- data, correct?
- A. You read what he wrote in
- ²⁰ 1976, yes.
- MR. PLACITELLA: Give me
- ²² 142.
- 23 (Document marked for
- identification as Exhibit

```
1
           J&J-142.)
2
    BY MR. PLACITELLA:
3
           Q. 142 is a January 28, 1977,
4
    another letter from Mr. Ashton.
5
                  Do you see that?
6
           Α.
                 Yes.
7
           0.
                  To a Mr. Arnold Netherwood.
8
    What was his job?
9
                 He was a scientist in the UK
           Α.
10
    company.
11
                  Okay. And in this document,
12
    Mr. Ashton documents that chromium can
13
    exist in your talc in the United States
14
    between 100 parts per million and up to a
15
    thousand parts per million?
16
                  That's what he wrote at that
           Α.
17
    time, yes.
18
           Q. On the next page he talks
19
    about the methods that are available for
20
    testing, correct? It says depending on
21
    what test you use, that will dictate how
22
    much chromium you'll find, right?
```

- A. What he actually said --
- let's be clear -- a good analyst will get

- 1 almost zero for chromium content in talc
- ² using acid leach recipe but might find up
- to 1,000 parts per million with atomic
- ⁴ absorption.
- ⁵ Q. Right, so --
- A. As I said earlier, atomic
- ⁷ absorption is the system whereby you can
- 8 look at what's trapped inside the crystal
- 9 lattice. It is not the same as what
- might be biologically available by being
- leached out or washed out or get onto
- 12 body tissues.
- Q. Well, atomic absorption is
- used for testing what's both inside and
- outside, correct?
- A. Yes.
- MR. PLACITELLA: Okay. Give
- me 144. Oh, I'm sorry.
- 19 Give me 157.
- 20 (Document marked for
- identification as Exhibit
- J&J-157.
- 23 BY MR. PLACITELLA:
- Q. 157 is a memo from

- ¹ Mr. Sherman to George Lee. Who is
- ² Mr. Sherman?
- A. I think he was in the
- ⁴ formulation department of the baby
- ⁵ products company. 1977, yes.
- Q. And -- and in this document,
- ⁷ what Mr. Sherman does is he tries to
- 8 calculate just how much nickel someone
- 9 would inhale use -- who came in
- connection with the Baby Powder, correct?
- 11 A. He's made a -- he's made a
- 12 calculation which is in this letter, yes.
- 13 He's made a calculation.
- Q. And in this calculation he
- states that by his information,
- 16 .48 percent of the total nickel in the
- talc can be leached out, correct?
- A. By conditions of a
- particular test with human serum and
- ²⁰ gastric juice.
- Q. Human serum meaning what's
- in the body?
- A. Well, it's in the blood,
- ²⁴ circulating in the blood, yes.

- Q. All right. So by what's
- ² circulating in the blood and by the
- gastric juices in the human body, he
- 4 states that almost half of the nickel
- will be leached out, correct?
- A. No. No. He's saying
- ⁷ 0.4 percent of the nickel can be leached
- 8 out using serum and gastric juice,
- 9 .50 percent, 0.48 percent.
- Q. So what happens is when
- somebody inhales the Johnson's Baby
- 12 Powder, he's calculating just how much
- nickel will be absorbed into the human
- body, correct?
- A. No. Again, I'll say that
- this gentleman was not -- is not a
- toxicologist. And he's done a
- back-of-the-envelope calculation. But
- when we inhale particles like talc,
- 20 pretty well all of it, we breathe in --
- Q. Sir, I'm not asking for your
- opinion. I'm asking for what's been
- 23 stated here.
- 24 A. Well --

- O. What he states in this memo
- is his calculation about what happens in
- the human body when the talc is breathed
- 4 in, correct?
- A. He's used human serum, which
- is the blood. He's used gastric juice,
- ⁷ which is the stomach, and said that no
- 8 more than .48 of 1 percent could be
- 9 leached, no more than that could be
- 10 leached under those conditions in a
- 11 laboratory test.
- Q. And he copied this memo to
- the entire head on the medical side of
- your company, correct?
- A. He's copied it to the
- medical director, Bruce Semple, yes.
- Q. Okay. Now, you're aware
- 18 that -- would you say that arsenic -- is
- it your testimony by the way that arsenic
- is trapped within the talc lattice?
- A. No. That's not my
- testimony. No. Arsenic can be free, and
- certainly when the miners are mining the
- talc, they can see the arsenic, because

- it's bright yellow in the mine. So they
- ² avoid that. But it is free arsenic
- ³ salts, yeah.
- Q. Okay. And that historically
- was a problem for Johnson & Johnson in
- 6 terms of the Vermont 66 product, correct,
- ⁷ arsenic?
- 8 A. The area -- one of the
- 9 mines -- I believe it was Rainbow mine --
- 10 I'm sorry, the Argonaut mine, had areas
- of arsenic. And the whole point of the
- mine mapping was to know where those
- 13 areas were and to avoid that problem. If
- the miners came across that
- 15 yellow-stained areas, they would avoid
- that. I believe the direction was to
- keep one shovelful away -- a shovel is
- 18 eight feet wide -- to avoid those areas.
- So a theoretical problem.
- 20 But by adopting sensible mining
- procedures, you -- you avoided a problem.
- Q. So you could just see it,
- and it would never become -- it would
- never be in your product; is that right?

- 1 Is that what you're saying?
- A. You can see arsenic
- 3 compounds stained yellow against the
- 4 white of the talc. If there's veins of
- 5 arsenic compounds, you can avoid those.
- 6 And so you're able to ensure that the
- ⁷ product met the specification as given in
- 8 the United States Pharmacopeia of either
- ⁹ 2 or 3 parts per million.
- 10 Q. So arsenic never ended up in
- the Vermont 66 processed product above 2
- parts per million. Is that your
- 13 testimony?
- 14 A. The specification varied
- between 2 and 3 parts per million.
- Q. Let's say 3.
- A. Okay, 3. So that was the
- specification. And that is the
- 19 requirement for the talc.
- Q. That wasn't my question. My
- question was, so the arsenic never
- exceeded 3 parts per million in the
- Vermont 66 processed talc? Is that your
- testimony?

1 I'm aware, having read Α. 2 through the documentation, that there was 3 one batch where there was what's called a 4 deviation from the specification, where I 5 believe it was 3.1 or 3.2 percent. And 6 that had to go to the medical division to 7 be approved. But that was one -- just 8 one batch over many, many decades. 9 The limit has varied between 10 2 and 3 parts per million of arsenic. 11 So your testimony here under 12 oath is if we go back and we look at all 13 the tests, there was only one time where 14 the arsenic limit was exceeded in Vermont 15 66 talc, right? That's your testimony? 16 I'm only aware of -- I'm 17 only aware of one. And whenever any 18 material is what's called out of 19 specification, it is prevented from going 20 further until there's an approval through 21 what's called a deviation system. And a 22 whole bunch of people, the medical 23 department, scientist department, have to 24 sign off to approve that deviation.

- I'm certainly aware of one.
- ² Maybe there were others. I don't know.
- But as a general rule, the specification
- 4 for arsenic was either 2 or 3 parts per
- ⁵ million which matched that of the United
- ⁶ States Pharmacopeia.
- ⁷ Q. Okay. And if it ever
- 8 exceeded 2 or 3 parts per million, that
- ⁹ product should absolutely not be sold,
- 10 correct?
- A. No. What I said was -- and
- this is a common thread to any product
- whether it's shampoo and the pH is
- slightly different. It's held and
- bonded, and it cannot be moved forward
- unless a whole bunch of people sign off
- and say that it's safe and acceptable.
- Q. So you can sell it above 3
- 19 parts per million?
- A. If the senior medical
- division people, the toxicologists say
- 3.1, we believe that's acceptable, that's
- up to them. So I believe there's
- certainly maybe one case over many

- decades where that was the case. But
- it's -- it isn't just automatic. It has
- 3 to be approved.
- Q. Okay. So this is important.
- 5 So only one time you're aware of that the
- 6 product was sold with arsenic above 3
- parts per million?
- A. I'm only aware of one time.
- 9 Q. Okay. Now, you know they
- had arsenic problems in the Argonaut mine
- 11 too, right?
- 12 A. Yes, I did actually mention
- 13 Argonaut three minutes ago. That was the
- one where when you do the mine mapping,
- you can look at the arsenic salts, which
- give out yellow stain, and the people
- doing the mining are shown how to avoid
- that area by a shovelful width away from
- ¹⁹ it.
- Q. Okay. And you're aware that
- there was also arsenic in the Rainbow
- mine, correct?
- A. Yes. You can get -- again,
- the mine mapping will show may be areas

- ¹ that you have to avoid. We look at many
- ² square miles here in some cases. So you
- 3 can look to avoid areas where you want to
- ⁴ avoid arsenic.
- ⁵ Q. Well, you had arsenic in the
- 6 Rainbow mine up to a thousand parts per
- 7 million, correct?
- A. In the mine or in the talc?
- 9 O. In the mine.
- 10 A. Yes. That's what I said.
- 11 There are going to be areas where it's
- 12 clear that there are arsenic areas that
- have to be avoided. The whole point of
- mine mapping and doing the core drilling
- to create a mine map is to identify the
- areas that are to be avoided.
- And in this particular case,
- 18 the areas were identified as
- 19 arsenic-bearing rock and you avoid
- arsenic bearing rock. So you don't get
- the product contaminated by arsenic.
- Q. Yeah, but the problem was,
- even as of 1992, you still weren't
- regularly monitoring the arsenic content

```
1
    in your mines, right?
2
                 You monitor the arsenic
           Α.
3
    content in the finished product.
4
                  The arsenic is very -- the
5
    arsenic salts are very, very visible.
6
    They are bright yellow in color. And the
7
    mining people are trained to avoid those
8
    areas in the same way that they'd avoid
9
    other areas that aren't clearly not talc.
10
                  MR. PLACITELLA: Can you
11
           read my question back, please.
12
                  (Whereupon, the court
13
           reporter read back the requested
14
           portion of testimony.)
15
                  THE WITNESS: You monitor
16
           the arsenic content by the
17
           material you're pulling out of the
18
           mine. You can carry on doing core
19
           drilling, holes, and looking at
20
           where it was in the mine. But the
21
           other way of monitoring the
22
           content of the mine, to answer
23
           that question specifically, is to
24
           monitor what you're taking out of
```

```
1
           the mine.
2
                 MR. PLACITELLA: Can you
3
           give me 200, please.
4
                  (Document marked for
5
           identification as Exhibit
6
           J&J-200.)
7
                 MR. PLACITELLA: The Bates
8
           number is 219720.
9
                 MR. LOCKE: When you get an
10
           exhibit number like 200, is that
11
           an exhibit number for this
12
           deposition?
13
                 MR. PLACITELLA: Correct.
14
                 MR. LOCKE: It's marked that
15
           way?
16
                 MR. PLACITELLA: Correct.
17
           It's otherwise Imerys 219720.
18
    BY MR. PLACITELLA:
19
           Q. Have you seen this document
20
    before, Dr. Hopkins?
21
           A. No, I'm sorry. I'm reading
22
    it to actually familiarize to it. I've
    not seen this before. This appears to be
23
24
    an Imerys document, so I've not seen this
```

```
1
    one before, no.
2
                 Okay. And here it says,
3
    "Arsenic iron sulfides."
4
                 And what's that next word?
5
           Α.
                 Where are you reading?
6
           Ο.
                 Under arsenic.
7
                  "Arsenic iron sulfides,
           Α.
8
    arsenopyrite." Pyrite is an iron salt.
9
                 All right. And then do you
10
    see where it says, second line, "Total
11
    arsenic as analyzed in the Ludlow Rainbow
12
    deposit averages generally less than
13
    100 parts per million, but with some
14
    small zones in excess of 1,000 parts per
15
    million. No apparent major effort is
16
    underway to regularly monitor or
17
    completely assess the total arsenic
18
    content of ores, tailing solids, and
19
    waste, although the distribution of
20
    sulfides and arsenates in a talc ore
21
    system is generally understood."
22
                 Do you see that?
23
           Α.
                 Yes.
24
                 Okay. Now, in reviewing --
           Q.
```

- 1 I want to spend a little time now
- focusing on the issue of -- and we'll
- 3 come back to some of this later, but on
- 4 the issue of asbestos in the products
- that were sold by Johnson & Johnson.
- 6 Okay?
- A. I'm listening.
- Okay. So let's -- I want to
- 9 see if we can start out definitionally on
- the same page. Okay.
- MR. PLACITELLA: Can you
- 12 give me 193 and 201?
- 13 BY MR. PLACITELLA:
- Q. Do you have 201 over there?
- Do you have 201 with you?
- A. What's it look like?
- 17 211. Let's go back to some
- of these others.
- MR. BICKS: What's the other
- one?
- MR. PLACITELLA: They are
- the same. It's fine.
- 23 BY MR. PLACITELLA:
- Q. If you look at the Bates

- 1 number that ends in 440 in this group,
- it's the material specification for
- Windsor 66 talc.
- ⁴ A. Yes.
- ⁵ Q. And in defining asbestos it
- says asbestos is defined to be the
- ⁷ fibrous serpentine chrysotile and the
- ⁸ fibrous forms of the amphibole group as
- 9 represented by amosite, anthophyllite,
- crocidolite, tremolite, and actinolite."
- Do you see that?
- 12 A. That is what is written,
- 13 yes.
- Q. That is the definition that
- was recognized by Johnson & Johnson,
- 16 correct?
- A. Yes. For those test
- methods, yes. Yes.
- O. And that applies to Johnson
- 20 & Johnson Baby Powder and Shower to
- 21 Shower, correct?
- A. Yes.
- Q. Okay.
- 24 (Document marked for

```
1
            identification as Exhibit
2
           J&J-194.)
3
    BY MR. PLACITELLA:
4
                  194 is the analysis of
5
    powdered talc Test Method 7024 for
6
    Johnson & Johnson baby products.
7
                  Do you see that?
8
                  I do, yes.
           Α.
9
                  For TEM. Okay.
           Q.
10
                  And if you go to 7922, for
11
    purposes of this specification, they
12
    define what a fiber is, correct?
13
                  They do, yes.
           Α.
14
                  There's an elongated
           Ο.
15
    particle with parallel sides and an
16
    aspect ratio of greater than 3 to 1,
17
    correct?
18
           Α.
                  Yes. It says, "The
19
    definition employed may vary with the
20
    needs of the client." Yes.
21
                  Okay. Now, what's -- now I
22
    just want to talk to you a few minutes
23
    about testing methods to determine
24
    whether there was asbestos in the
```

- ¹ Johnson & Johnson talc as defined by your
- ² specification that we just went through.
- ³ Okay?
- ⁴ A. Yes.
- Okay. Now, a test method
- involves a number of things. Would you
- ⁷ agree with that?
- 8 A. Yes.
- 9 Q. All right. It involves what
- equipment you would use, correct?
- 11 A. Yes.
- 12 Q. It involves how the samples
- are prepared, correct?
- A. Yes. That's correct.
- O. It involves how much is
- 16 tested?
- A. Yes.
- Q. How often it's tested?
- 19 A. Yes.
- Q. How the tests are carried
- ²¹ out?
- A. Yes.
- Q. What the output is, correct?
- A. How do you mean -- how do

```
you define output?
```

- Q. What the product is from the
- test, whether it's a photomicrograph --
- A. Okay, yes.
- ⁵ Q. -- diffraction patterning?
- ⁶ A. Yes.
- ⁷ Q. Right. And am I correct
- 8 that, generally speaking, no one size
- ⁹ fits all when it comes to test methods to
- be used for finding asbestos in the
- 11 Johnson talc?
- MR. BICKS: Objection to the
- form.
- THE WITNESS: Well, I'm
- not -- I'm not quite sure I
- understand the question.
- 17 BY MR. PLACITELLA:
- Q. I'll rephrase it. Bad
- 19 question. Bad question.
- ²⁰ A. Okay.
- Q. Was one -- let's just focus
- for a second on the equipment that was
- used. A polarized light microscope was
- used, correct?

- A. It's one of the equipment,
- ² yes, PLM.
- Q. X-ray diffraction was
- 4 another?
- ⁵ A. X-ray diffraction with
- ⁶ selected area diffraction, yes.
- ⁷ Q. Okay. So what we are
- 8 talking about here, I borrowed this one
- ⁹ from Mr. Bicks again. We have up here on
- this slide x-ray diffraction piece of
- 11 equipment, correct?
- 12 A. Yeah. That's an x-ray
- diffractometer, yes.
- Q. Right. Polarized light
- microscope?
- A. Yes.
- Q. Right?
- A. It is, yes.
- 19 O. TEM?
- A. Transmission electron
- microscope, yes.
- Q. Correct. All of those were
- equipment that was used by Johnson &
- Johnson or its consultants for testing

```
1
    whether the Johnson & Johnson talc
2
    contained asbestos, correct?
3
                  MR. BICKS: Objection to the
4
           form.
5
                  THE WITNESS: Those -- those
6
           items of equipment have been used
7
           by J&J internally and by the
8
           consultants to follow the method,
9
           to confirm the absence of
10
           asbestos, asbestos minerals in the
11
           talc.
12
    BY MR. PLACITELLA:
13
                 Now, what are the, from your
14
    perspective, well -- strike that.
15
                  What did Johnson & Johnson
16
    consider the limitations to be for a
17
    polarized light microscope using a
18
    polarized light microscope in determining
19
    whether there was a asbestos in the talc
20
    samples that they were testing?
21
                 Okay. Let's step back a
           Α.
22
    point on that.
23
                  The test methodology J-4-1
    required initially to use x-ray
24
```

- diffraction. X-ray diffraction will pick
- ² up amphibole if it's present or not.
- Q. Excuse me. I didn't ask you
- 4 that. All right. Let's just stick to my
- ⁵ question.
- My question was, what were
- ⁷ the limitations that were understood by
- ⁸ Johnson & Johnson in terms of the ability
- ⁹ of the polarized light microscope to find
- asbestos in the talc specimens that were
- 11 being tested?
- 12 A. Okay. What I was trying to
- explain was that you would not use
- polarized light as the first port. You
- would do it with x-ray diffraction first.
- Q. I'm not asking that. That's
- process.
- 18 A. Okay.
- 19 Q. I'm asking, what is the
- limitation for that particular piece of
- equipment and test? What can it not do?
- MR. BICKS: Just if we can
- refrain from interrupting the
- witness.

1	MR. PLACITELLA: If the
2	witness would answer my question,
3	I wouldn't interrupt him.
4	THE WITNESS: My
5	understanding is that, assuming
6	that you've got a positive
7	indication of amphibole from x-ray
8	diffraction, you then go on to use
9	polarized light microscopy
10	microscopy, and you would use high
11	magnification.
12	You would expect to see at
13	least at least .1 percent or
14	below for a level of assurance.
15	BY MR. PLACITELLA:
16	Q. So you couldn't use a
17	polarized light microscope as a first
18	level test for determining whether there
19	was asbestos in the talc that you were
20	testing, correct?
21	MR. BICKS: Objection to the
22	form.
23	THE WITNESS: No. To answer
24	your question, you'd have the

```
1
           process requires that you use
2
           x-ray diffraction as the first --
3
           first test. And then if you've
4
           got an indication, you then do
5
           polarized light microscopy.
6
    BY MR. PLACITELLA:
7
                  Let me ask the question a
           Ο.
8
    different way. If you use a polarized
9
    light microscope alone, that would not be
10
    definitive as to whether the talc sample
11
    contained asbestos, correct?
12
                  Well, you wouldn't use it
           Α.
13
    alone.
14
                  I'm asking you the question,
           Q.
15
    sir.
16
                  It's a hypothetical
           Α.
17
    question.
                  It's not a hypothetical
18
           Ο.
19
    question. I'm just asking you the
20
    question.
21
                  If you took a sample and put
22
    it under a polarized light microscope,
23
    you could not tell by looking at that
24
    sample without any other testing whether
```

```
1
    that sample contained asbestos, correct?
2
                 MR. BICKS: Objection to the
3
           hypothetical.
4
                  THE WITNESS: Again, I'm not
5
           a microscopist. We ascertained
6
           that a couple of hours ago. And
7
           my understanding, speaking from my
8
           knowledge, is that you would not
9
           do that. You would not get an
10
           answer just by doing polarized
11
           light microscopy alone.
12
                  So to answer your question,
13
           you wouldn't do that, and
14
           therefore you wouldn't get that
15
           answer.
16
    BY MR. PLACITELLA:
17
                 So a polarized light
    microscope itself is not capable of
18
    telling you whether what you're looking
19
20
    at in that microscope contains asbestos,
21
    fair?
22
                 MR. BICKS: Objection to the
23
           form. Asked and answered.
24
                  THE WITNESS: It will tell
```

```
1
                  It depends on the quantity.
           you.
2
           And that was the point that I was
3
           trying to make. There will be a
4
           level of quantification that a
5
           polarized light microscope,
6
           following on from x-ray
7
           diffraction, will enable you to
8
           get a quantification and a
9
           qualitative identification as
10
           well.
11
                  So I'm not -- you know, I
12
           think you're asking the wrong
13
           question. But it's a difficult
14
           question to answer. On its own,
15
           you would not -- you would not use
16
           a polarized light microscope.
17
    BY MR. PLACITELLA:
18
                  If the only thing you had in
19
    your laboratory was a polarized light
20
    microscope, and you put a sample on it,
21
    it's not going to give you the
22
    information necessary to determine
23
    whether there's asbestos in the talc,
24
    right?
```

- MR. BICKS: Objection to the form. Asked and answered.
 - THE WITNESS: If -- if there
 - were a lot of asbestos, the answer
 - is it would find it. It would see
 - it. It depends on the quantity,
 - ⁷ the amount.
 - 8 BY MR. PLACITELLA:
 - 9 O. How much?
- A. Again, I'm not a
- microscopists. But a polarized light
- microscope is -- some of them can be very
- sophisticated, give a very high
- magnification.
- And if you have large
- bundles of asbestos there, you could
- quite easily see them and get
- quantification. But on its own it's
- not -- it's not the first choice. It's
- not the first port of call.
- 0. Okay. And what is the --
- when it's used in conjunction with x-ray
- diffraction, am I correct that the
- detection limit is about 1 percent?

```
1
                      X-ray diffraction,
           Α.
                 No.
2
    modern x-ray diffraction of selected area
    of electron diffraction scanning will go
4
    down to .1, .2 percent.
5
           Q. No, sir, I'm asking you
6
    polarized light microscope. The limit of
7
    detection is about 1 percent, correct?
8
                 MR. BICKS: You said when it
9
           was used with x-ray diffraction.
10
                 MR. PLACITELLA: After.
11
                 MR. BICKS: That was the
12
           question that you asked.
13
                 MR. PLACITELLA: I'll
14
           rephrase it so we're clear.
15
    BY MR. PLACITELLA:
16
                 The limit of detection on a
17
    polarized light microscope is about 1
18
    percent, correct?
19
                 Again, I don't want to
20
                I'm not a microscopist. It's
    speculate.
21
    probably that order between .1 and 1.
22
                 MR. BICKS: When you want to
23
           take a break and have lunch, we're
24
           fine to do that.
```

```
1
                  MR. PLACITELLA: Can you
2
           give me 252.
3
                  (Document marked for
4
           identification as Exhibit
5
           J&J-252.)
6
    BY MR. PLACITELLA:
7
                  I tagged for you -- this is
8
    a document provided to us in discovery,
9
    J&J-252.
10
                  And I've -- if you opened to
11
    the tagged page, it's a PowerPoint put
12
    together by Rio Tinto. Who is Rio Tinto?
13
                  MR. BICKS: Can I have one
14
           of them if you have --
15
                  MR. PLACITELLA: I only have
16
           one. I'll take a break if you
17
           want to look at it.
18
                  THE WITNESS: It is --
19
           was -- it was still in existence,
20
           the company that owned the
21
           business before Luzenac.
22
    BY MR. PLACITELLA:
23
           Q. Okay. They were your
24
    supplier?
```

```
1
                 They owned the mine after
           Α.
2
    Cyprus, yes.
3
           Q. Okay. And according to this
4
    PowerPoint, the detection limit for a PLM
5
    or the polarized light microscope is
6
    about 1 percent, correct?
7
                 That was the case when this
           Α.
8
    was written, which would have been, I
9
    guess, the late 19 -- or early -- late
10
    1980s. Yeah.
11
           Q. Now, you mentioned
12
    before --
13
                 MR. PLACITELLA: I don't
14
           care. If you want to take a
15
           break, that's fine.
                                 It's
16
           1 o'clock. How long do you want
17
           to take?
18
                 MR. BICKS: Do you want to
19
           come back. It's 10 to 1:00 --
20
           1:30?
21
                 MR. PLACITELLA: 1:30 is
22
           fine.
23
                 THE WITNESS: Yeah, sounds
24
           good. Whatever you want.
```

```
1
                  THE VIDEOGRAPHER: Okay.
2
           Stand by, please. The time is
3
           12:52 p.m. Going off the record.
4
5
                    (Lunch break.)
6
7
                  THE VIDEOGRAPHER: We are
8
           back on the record. The time is
9
           1:32 p.m.
10
11
                  EXAMINATION (Cont'd.)
12
13
    BY MR. PLACITELLA:
14
                  Okay. I handed you
           0.
15
    Hopkins-3, which was the list we went
16
    over, the handwritten list before.
17
                  (Document marked for
18
           identification as Exhibit
19
           Hopkins-3.)
20
    BY MR. PLACITELLA:
21
           Q. As I understand it, that was
22
    to the best of your recollection, but
23
    you've reserved the right to look at it
    overnight and see if the numbers are
24
```

```
1
    correct?
2
                 Yes.
           Α.
3
           Ο.
               Correct?
4
           Α.
                 Yes.
5
                Okay. I want to talk now
           0.
6
    about x-ray diffraction.
7
                  MR. PLACITELLA: Give me
8
           154.
9
                  (Document marked for
10
           identification as Exhibit
11
           J&J-154.)
12
    BY MR. PLACITELLA:
13
           O. The Colorado School of Mines
14
    was a consultant to Johnson & Johnson on
15
    the issue of asbestos testing in the
16
    Johnson & Johnson talc, correct?
17
                  Yes. This was back in 1971.
           Α.
18
    Yes.
19
                  What I have given you is
           Ο.
20
    marked as Exhibit 154, is an August 3rd,
21
    1971 memo generated by the Colorado
22
    School of Mine, and the subject is "X-ray
23
    Investigation."
24
                  Do you see that?
```

```
1
           Α.
                  Yes.
2
                  Okay.
           Q.
3
           Α.
                 Yes.
4
                  And we're -- go to the last
           Ο.
5
    paragraph.
                 In this last paragraph, the
6
    Colorado School of Mines indicates that
7
    the limit of detection for the x-ray
8
    diffraction is about 1 percent for
9
    fibrous materials, correct?
10
                  MR. BICKS: It says the
11
           limit of recognition.
12
    BY MR. PLACITELLA:
13
           O. Limit of recognition of
14
    constituents is probably on the order of
15
    1 percent for fibrous materials, correct?
16
                  That's what was written.
           Α.
17
    And that was probably the case in 1971.
18
                  (Document marked for
19
           identification as Exhibit
20
           J&J-35.
21
    BY MR. PLACITELLA:
22
                  I'm showing you what's been
    marked as Exhibit 35.
23
24
                  This is a 1972 document
```

```
generated by the Colorado School of
```

- ² Mines. And it went to a Dr. Al Goudie in
- ³ Edison, New Jersey. Who is he?
- ⁴ A. He was a research director
- in the baby products company.
- Okay. For Johnson &
- ⁷ Johnson?
- 8 A. For Johnson & Johnson, yes.
- 9 Q. Right. And according --
- MR. SILVER: Chris, the
- Bates number?
- MR. PLACITELLA: Oh, yeah.
- The Bates number is
- JNJL61-50714 -- no, 7139 it would
- ¹⁵ be.
- 16 BY MR. PLACITELLA:
- 0. And what the Colorado School
- of Mines tells Johnson & Johnson is that
- 19 x-ray diffraction can tell if the sample
- contains serpentine, but it can't tell
- whether it contains chrysotile, correct?
- A. Yes, that's what he's
- written, yes.
- Q. Okay. And who -- by the

- way, do you know who Rich Zazenski is?
- A. He was employed by Luzenac
- back in the 1990s, as I recollect.
- O. Okay. What was his job, if
- 5 you know?
- A. I have met him. Let me
- ⁷ think. He was -- he was involved in
- 8 research R&D.
- 9 Q. Okay. Somebody with
- 10 knowledge of testing methods?
- 11 A. I wouldn't know that level
- of detail. I did meet him once.
- Q. And Luzenac was your
- supplier of talc in the '90s, and into
- the 2000s? I'm not allowed to go beyond
- ¹⁶ 2006.
- 17 A. Yeah, Luzenac was the
- supplier who owned the mine in Vermont up
- until it was -- became Imerys.
- Q. And they were testing the
- talc that was sold to Johnson & Johnson
- for asbestos content, correct?
- A. That would have been part of
- their responsibility, yes.

```
1
                  (Document marked for
2
           identification as Exhibit
           J&J-224.)
3
4
    BY MR. PLACITELLA:
5
           Q. Let me show you 224. Now,
6
    you had -- 224 is a correspondence from
7
    Donna Dennis to Rich Zazenski. Do you
8
    know who Donna Dennis is?
9
                 MR. SILVER: Chris, I'm
10
           sorry.
11
                 MR. PLACITELLA: I'll get
12
           it. I'll get to it.
13
                 THE WITNESS: No, I do not
14
           know. No, I've not met that name,
15
           seen that name. It looks like --
16
                 MR. BICKS: You said it's
17
           from Donna Dennis.
18
                 MR. PLACITELLA: I'm sorry.
           You're correct. From Zazenski to
19
20
           Donna Dennis.
21
    BY MR. PLACITELLA:
22
           O. And here Zazenski states --
23
    he's talking about the specification for
24
    testing asbestos using TEM.
```

```
1
                  Do you see that?
2
           Α.
                  Yes.
3
                 And he states that everyone
4
    in the company recognizes that XRD, PCM
5
    and PLM are simply not sensitive enough
6
    to provide complete assurance that the
7
    talc is free of detectable asbestos,
8
    correct?
9
                  MR. BICKS: Objection to the
10
           form.
11
                  THE WITNESS: Yeah, what he
12
           states, "I think we all recognize
13
           that XRD, PCM and PLM are simply
14
           not sensitive enough to provide
15
           complete assurance that talc is
16
           free of detectable asbestos."
17
    BY MR. PLACITELLA:
18
           Q. And that was known and
19
    understood by Johnson & Johnson at the
20
    time, correct?
21
                  Yeah. And that's why they
22
    had been using TEM since 1972, '73 time
23
    frame.
24
                  That was known -- XRD, PCM
           Q.
```

```
1
    and PLM, it was known by Johnson &
2
    Johnson that it wasn't sensitive enough
    to provide complete assurance that the
    talc is free of detectable asbestos,
5
    true?
6
                 MR. LOCKE: Objection.
7
                  THE WITNESS: You read what
8
           Mr. Zazenski wrote in 2001.
9
                  He made that statement that
10
           it is not simply enough to
11
           detect -- to provide complete
12
           assurance that the talc is free
13
           from detectable asbestos.
14
    BY MR. PLACITELLA:
15
                 And Johnson & Johnson
16
    understood that to be the case, correct?
17
                  Yes, and as I said, that's
           Α.
18
    why since 1972-3 time frame, Johnson &
19
    Johnson had used TEM as part of the
20
    process.
21
                 Sir, did I ask you about
           0.
```

- ²² TEM?
- ²³ A. No.
- Q. I'll repeat my question.

```
1
           Α.
                 No, no --
2
                 Johnson & Johnson understood
           Ο.
3
    from 1972 forward that XRD, PCM, and PLM
4
    was not sensitive enough to provide
    complete assurance that talc is free from
5
6
    detectable asbestos. True or false?
7
                 MR. BICKS: Objection to the
8
           form of the question.
9
                  THE WITNESS: Well, you read
10
           what Mr. Zazenski wrote. And I
11
           would agree that Johnson & Johnson
12
           was of the opinion that those test
13
           methods on their own would not be
14
           necessarily sensitive enough to
15
           provide complete assurance that
16
           the talc is free from detectable
17
           asbestos.
18
    BY MR. PLACITELLA:
19
                 Thank you. Now, you just
    mentioned TEM. So I want to talk about
20
21
    that for a second.
22
                 MR. PLACITELLA: Can you
23
           give me or does he have 234.
24
                  (Document marked for
```

```
1
           identification as Exhibit
2
           J&J-234.)
3
    BY MR. PLACITELLA:
4
           O. Do you have 234 there
5
    already? I think you do.
6
                  234 is a PowerPoint for the
7
    development of a new ASTM method for the
8
    analysis of cosmetic and pharmaceutical
9
    talc for asbestos. Do you see that?
10
                  That is the title of this
           Α.
11
    PowerPoint, yes.
12
                 And it's authored in part by
           Ο.
13
    Julie Pier who worked for one of your
14
    suppliers correct?
15
           Α.
                  Yes.
16
                  MR. BICKS: Can I just --
17
           because it doesn't have Bates
18
           stamps on it, do you know where
19
           this came from?
20
                  MR. PLACITELLA: Not as I
21
           sit here.
22
    BY MR. PLACITELLA:
23
           Q. Now, if you go to where I
24
    tabbed for you, "TEM option method
```

```
1
    highlights"?
2
                  I see that.
           Α.
3
                  Okay. She states, "TEM is
4
    definitive for chrysotile versus
5
    non-asbestiform serpentine, not
    necessarily definitive for
6
7
    amphibole-asbestos versus amphibole
8
    cleavage fragments."
9
                  Do you understand that to be
10
    the case?
11
                  MR. SILVER: Objection to
12
           form.
13
    BY MR. PLACITELLA:
14
                  Did Johnson & Johnson
15
    understand that to be the case?
16
                  MR. BICKS: No foundation.
17
                  MR. SILVER: Objection.
18
                  THE WITNESS: This is
19
           something that a microscopist
20
           contributed to.
21
                  I don't know if she was the
22
           only person who contributed.
23
           There were other mineral people
24
           there.
```

1	So do Johnson & Johnson
2	accept that's the case? To be
3	honest, I don't I don't know if
4	they would accept that's the case.
5	Johnson & Johnson takes its
6	lead from experts in microscopy
7	and microanalysis. And certainly
8	the author would have expertise
9	that would not necessarily be
10	present in Johnson & Johnson.
11	So it's a reasonable
12	statement I think that she's made
13	or he's made, whoever wrote this.
14	BY MR. PLACITELLA:
15	Q. Did Johnson & Johnson
16	understand that TEM was definitive in
17	terms of testing for chrysotile, but not
18	necessarily definitive for amphibole
19	testing?
20	MR. BICKS: Objection to the
21	form. No foundation.
22	THE WITNESS: Again, I'm not
23	an expert in that particular
24	field. It is a statement that's

```
1
           made on a PowerPoint presentation.
2
                  Whether or not Johnson &
3
           Johnson had that inhouse expertise
4
           to agree or disagree is something
5
           that I just don't have the answer
6
           to.
7
    BY MR. PLACITELLA:
8
           Q. Okay. Well, you're the
9
    person that has the most knowledge,
10
    everybody all rolled up into one.
11
                 MR. BICKS: Objection to the
12
           form.
13
    BY MR. PLACITELLA:
14
                 So you don't know.
                                       That
15
    means that Johnson & Johnson doesn't
16
    know?
17
                 No, what I'm saying is there
           Α.
18
    are areas of expertise that the company
19
    buys in and wherever it's needed. And in
20
    this particular case, if we are looking
21
    at analysis of talc using transmission
22
    electron microscopy, the company uses
23
    outside experts with a great skill set
24
    and many, many years of experience and
```

expertise. And the results of that 1 2 expertise becomes part of Johnson & Johnson's opinion as to whether or not 4 the product contains asbestos or not. 5 As you sit here today, you 0. 6 can't say one way or the other whether 7 Johnson & Johnson knows whether TEM is 8 definitive for finding amphibole fiber in 9 its talc? 10 MR. BICKS: Asked and 11 answered. 12 THE WITNESS: Again, I 13 cannot say, because I'm not a 14 microscopy expert. And we 15 ascertained that a couple of hours 16 ago, that I don't claim to be. 17 And the expertise, if you 18 like, has always been outside of 19 the company in this area where 20 we're looking at very 21 sophisticated techniques and 22 ongoing research. This is dated 23 2011, which someone has made this 24 comment. And it's a comment

- that's being made in a PowerPoint
- presentation. I'm not in a
- position to agree or to disagree.
- ⁴ BY MR. PLACITELLA:
- ⁵ Q. Well, you told me that
- ⁶ you've been using TEM since 1972,
- ⁷ correct?
- ⁸ A. The company has been using
- 9 TEM in the '72-'73 time frame.
- Q. And although you've been
- using it since 1972, you don't know
- whether TEM is capable of finding
- amphibole asbestos in its talc --
- 14 A. No, that -
- 0. -- in Johnson & Johnson
- 16 talc?
- 17 A. That's not true. The -- the
- companies who have done the TEM testing,
- 19 people like McCrone, RJ Lee, EMB
- 20 Associates. Those people have their own
- inhouse skill sets and people who will
- give a definitive answer as to whether or
- not asbestos is present.
- Q. But, sir, the specification

- for testing your talc is a Johnson &
- Johnson specification, correct?
- A. Yes.
- ⁴ Q. And you specify that TEM is
- one of the test methods that should be
- 6 used, correct?
- A. Correct.
- 8 Q. But you have nobody at
- ⁹ Johnson & Johnson that knows what the
- 10 limitations are of TEM in terms of
- testing for amphibole asbestos? Is that
- what you're saying?
- A. No, I'm not saying that at
- 14 all.
- There was a lady who retired
- 16 not that long ago, Ms. Gallagher, who was
- an expert in this area, inhouse. And she
- had a skill set to understand the results
- of this. And to understand the
- ²⁰ capabilities otherwise of TEM.
- So there are people that
- have got that expertise inhouse or had
- that expertise inhouse.
- Q. Yeah, but you're here to

1 talk on behalf of the company. You're 2 supposed to be addressing this issue. And what I'm asking you is, as you sit here as a representative of Johnson & Johnson, are you able to say one way or 5 6 the other whether TEM is capable to 7 definitively find amphibole asbestos in 8 your talc? 9 MR. BICKS: I just also 10 object as that's not really a fair 11 characterization of what he's here 12 to talk about, that you just 13 described it, as your notice 14 defines it. And you've made a big 15 deal in the beginning pointing out 16 that he's not an expert. 17 MR. PLACITELLA: Is this a 18 speaking objection or --19 MR. BICKS: Well, but it's 20 just --21 MR. PLACITELLA: It's not a 22 form objection. So I'm trying to 23 understand what you're doing. If 24 you want to testify, why don't you

```
1
           just switch seats.
2
                  MR. BICKS: I don't want to
3
           testify. But I want it to be
4
           fair.
5
                 MR. PLACITELLA: I'm being
6
           fair.
7
                  MR. BICKS: I don't want you
8
           to --
9
                  MR. PLACITELLA: I'm not the
10
           one who brought up TEM. He did.
11
                  MR. BICKS: -- skate all
12
           over the space.
13
                  MR. PLACITELLA: I'm not
14
           spraying it all over the place.
15
    BY MR. PLACITELLA:
16
                  Sir, as you sit here today,
17
    as a representative of Johnson & Johnson,
18
    is it your testimony that Johnson &
19
    Johnson does not know whether the TEM
20
    method that it specified for testing its
21
    talc is capable of definitively
22
    determining whether the talc contained
23
    amphibole asbestos?
24
                  To answer your question, no
           Α.
```

- that is not Johnson & Johnson's position.
- ² The position has always been that TEM was
- 3 capable of detecting asbestiform --
- ⁴ asbestiform amphibole asbestos.
- ⁵ Q. Including amphibole
- 6 asbestos?
- A. Yeah. Well, that's what I
- 8 said. Amphibole asbestos.
- ⁹ Q. At any level?
- 10 A. TEM will go down to the
- parts per million level, 10 parts per
- million. In fact, some of the modern TEM
- is capable of going down to the parts per
- ¹⁴ billion level.
- O. So Johnson & Johnson
- disagrees with Julie Pier when she says
- that TEM is not definitive for
- determining whether there's amphibole
- 19 asbestos in a sample?
- MR. BICKS: This is not --
- MR. SILVER: Objection to
- 22 form.
- MR. BICKS: It says not
- necessarily --

- 1 BY MR. PLACITELLA:
- O. Correct?
- A. I was going to say that.
- 4 What was written in this -- and we're
- b looking at, probably what would have
- ⁶ probably been a two-hour presentation,
- PowerPoint presentation. And you've
- 8 selected out two lines.
- 9 And what -- what is
- highlighted here was not necessarily
- definitive for amphibole asbestos versus
- 12 amphibole cleavage fragments.
- And the point I made is that
- Johnson & Johnson's position has always
- been that TEM was capable of detecting
- amphibole asbestos where it be present.
- Q. So why bother with XRD?
- A. It's a history that when the
- 19 test methods were being developed back in
- the early 1970s, you look at XRD as step
- one. And you get a big picture. You
- 22 have a larger sample of material. You
- get a big picture of the -- of the talc.
- You can look at about 100,000 particles.

- ¹ And you get the big picture. Then you
- ² focus down through polarized light, and
- then through transmission microscopy. So
- 4 you look at all three. It's a belt and
- ⁵ suspenders approach.
- Q. Sir, you're aware, are you
- ⁷ not, that your own specifications state
- 8 that for certain sampling procedures you
- 9 don't use TEM, you only use XRD? You
- 10 know that, correct?
- 11 A. The -- that's not entirely
- ¹² true.
- The requirements of the ore
- 14 testing is TEM. That's the first part.
- When you're testing the ore.
- When you go on to test the
- 17 floated product, you look at XRD and PLM
- if necessary. And then there's a backup,
- 19 a Level 3 protocol, where you look at TEM
- on the finished product on a regular
- 21 basis.
- Q. Well, if we have time we'll
- do some more of that. But as we sit
- here, the -- you understand that the

```
detection limit for TEM for chrysotile
1
    was about .001 percent by weight?
2
3
                 MR. BICKS: Objection to the
4
           form. No foundation.
5
                 MR. PLACITELLA: Give me
6
           182.
7
                  (Document marked for
8
           identification as Exhibit
9
           J&J-182.)
10
                 MR. BICKS: And vague as to
11
           time.
12
    BY MR. PLACITELLA:
13
           Q. You have in front of you
14
    Exhibit 182 which is a January 1976 --
15
           A. '86.
16
           Q.
                 -- '86 letter.
17
           Α.
                 Hang on.
18
                 MR. BICKS: This is
19
           April 1986, what we have.
20
                 MR. PLACITELLA: No. Do you
21
           have 182?
22
                 MR. BICKS: Right.
23
                 THE WITNESS: Yes.
24
                 MR. PLACITELLA: Look at the
```

```
1
           second page. Here's the second
2
           page. They're attached.
3
                 MR. SILVER: The Bates
4
           number?
5
                 MR. PLACITELLA: That's
6
           right. Bates number. There must
7
           have -- I don't know. There is no
8
           Bates number.
9
    BY MR. PLACITELLA:
10
           Q. The April 29, 1986, do you
11
    see that?
12
                 MR. BICKS: I think it's
13
           '87, right?
14
                 MR. PLACITELLA: It says
15
           April 29, 1986.
16
                 MR. BICKS: Yeah, but look
17
           when it's received. Because you
18
           can see there's a typo on what
19
           we've got here. Or are you on the
20
           second page?
21
                 MR. PLACITELLA: I'm on the
22
           first page.
23
    BY MR. PLACITELLA:
24
           Q. Do you see that? We are --
```

- 1 let me see yours. We are on the same
- ² page. April 29, 1986.
- A. Yes.
- Q. Are you with me?
- ⁵ A. Yes.
- Q. Okay. And you go to the
- ⁷ second page of that document, which is
- ⁸ January 28th, from McCrone.
- 9 A. Yes, that was nine months
- 10 later.
- 11 Q. Right. And you see where
- 12 McCrone says the limit of detection is
- 13 .001 --
- MR. SILVER: Objection.
- 15 BY MR. PLACITELLA:
- 0. -- weight percent?
- A. That's what they've written
- in that particular case. It was below
- 19 .001 percent by weight.
- Q. Right. That's the limit of
- detection. That's what it states,
- 22 correct?
- A. That's what they stated in
- ²⁴ 1987.

- Q. Right. And you have
- testified, have you not, that at
- 3 .001 percent you could still have
- 4 millions of fibers per gram?
- ⁵ A. I don't recollect testifying
- that you could still have millions of
- ⁷ fibers per gram. But what we've got here
- 8 is the limited detection on that
- ⁹ particular time frame, they claim to be
- 10 .001 percent by weight.
- 11 Q. Sir, you understand that
- even at .001, could still be millions of
- 13 fibers per gram, correct?
- 14 A. If they were present you
- would still have fibers, yes. If they
- were present. But as I say, they found
- no quantifiable amounts.
- Q. But I'm talking in general.
- 19 Even at .001 or below, you could have
- millions of fibers per gram, correct?
- A. Well, it's -- I'm not going
- to speculate because you need to see this
- in the context of other test methods that
- were being used. That's what -- that's

- ¹ the point I make.
- Q. Sir, did you testify under
- oath in a trial that at .001 percent, you
- 4 could still have millions of fibers per
- ⁵ gram of asbestos fibers?
- A. If they were there, if they
- ⁷ were present, in theory, you could. If
- 8 they were there.
- 9 MR. PLACITELLA: Now, give
- 10 me 159.
- 11 (Document marked for
- identification as Exhibit
- J&J-159.
- 14 BY MR. PLACITELLA:
- 15 Q. I'm going to show you what's
- been marked 159. This is a February 23,
- 1978, Johnson & Johnson document,
- 18 correct?
- A. Yes, it is. Yes.
- Q. Okay. If you go to Page 2,
- it talks about the sampling that's being
- done.
- Do you see that?
- ²⁴ A. Yes.

- Q. And it talks about the
- 2 ground ore being testified -- being
- 3 tested by TEM, correct?
- A. That is -- yes. 7024 is
- ⁵ TEM. Yes.
- O. Right. And it talks about
- ⁷ the composite samples being tested for by
- 8 the J-4-1 method and the 7019 method,
- 9 correct?
- 10 A. Yes.
- 0. Okay. The composite samples
- it doesn't state that you were using TEM,
- does it?
- A. Not -- not on those
- composite samples at that point, no.
- ¹⁶ Q. Okay.
- 17 A. The flash dry is tested
- ¹⁸ later.
- 0. All right. And according to
- your requirements underneath, it says the
- J-4-1 method was for finding fibrous
- amphibole forms, correct?
- ²³ A. Yes.
- Q. But that had a limit of

- 1 .5 percent, correct? We went over that.
- A. Yeah, around about 70, 80,
- it was around that point in time. .1, to
- 4 .2 with more modern equipment.
- ⁵ Q. And 7019 was for determining
- 6 whether there was serpentine minerals,
- ⁷ correct?
- 8 A. That's a differential
- ⁹ thermal analysis, yes.
- Q. Right. It could not tell,
- ¹¹ 7019, whether the serpentine materials
- was asbestos or not, correct?
- 13 A. It would pick up serpentine
- material at .5 percent.
- O. And underneath it where it
- says "asbestiform minerals," you list
- your spec for 7024, correct?
- ¹⁸ A. Yes.
- Q. All right. So when you were
- testing the weekly composites according
- 21 -- at least at this time, according to
- this document, you were not using
- electron microscopes, were you?
- A. No, it was the biweekly

- 1 composites that were using electron TEM.
- ² Yes.
- Q. Twice a month, you would use
- 4 the TEM on ore, correct?
- A. Right. There's a little bit
- ⁶ of detail on that. The --
- ⁷ Q. Is that what it says, sir?
- 8 Does it say that twice a month you would
- ⁹ be using the TEM on the ore?
- MR. BICKS: Ground ore.
- 11 BY MR. PLACITELLA:
- Q. On the ground ore?
- 13 A. The ground ore. But that is
- 14 a composite of samples taken on a regular
- basis during the manufacturing shift each
- day, day after day, and they are mixed
- combined together. And then that
- composite sample is evaluated every two
- weeks.
- Q. Correct.
- A. So -- but it is on data
- 22 production runs for that two-week period,
- then it's mixed together, and then
- evaluated every two weeks by TEM.

```
1
                 So you use TEM to look at
           0.
2
    the ore, correct?
3
           Α.
                 Yes.
4
                 All right. You use XRD to
           0.
5
    look at the flash-dried talc, the
6
    finished product, right? That's what
7
    this says?
8
           A. J-4-1 is XRD followed, if
9
    there is an indication of amphibole, by
10
    polarized light. And then in this case
11
    followed by TM 7019, which is
12
    differential thermal analysis.
13
           Ο.
                 Right. So when you're
14
    looking at the weekly composites of the
15
    finished product, you don't use a method
16
    that can find chrysotile asbestos, do
17
    you?
18
                 MR. BICKS: Just so -- when
19
           you keep saying "we," you're
20
           talking about Windsor here as
21
           distinct from Johnson & Johnson.
22
                 MR. PLACITELLA: Well, this
23
           is a Johnson & Johnson
24
           specification, isn't it?
```

- 1 MR. BICKS: No. 2 MR. PLACITELLA: Could you 3 please not do that? You know, to 4 be fair. 5 BY MR. PLACITELLA: 6 Okay. So let me just go 0. 7 further. 8 Let's go down to the next 9 Do you see where it talks about 10 standard test method. 11 Have we turned the page? Α. 12 Q. The next page, sir. 13 Α. Yes. 14 And that is a standard test 0. 15 method by Johnson & Johnson Baby products 16 company and it lists 7019 as the method, 17 correct? 18 A. That was the differential thermal analysis, DTA, that was used in 19 20 1977 there. Yes. 21 Right. And what they did
- there, is they -- part of the process is
- where they actually heated the sample up,
- ²⁴ right?

- A. Yes. DTA requires you to
- heat the sample, cool it, and measure
- 3 certain changes through an instrument
- 4 that will tell you whether or not you
- ⁵ have serpentine minerals present.
- Q. Right. This is not TEM,
- ⁷ correct?
- 8 A. No. This is DTA.
- 9 Q. Okay. And if you look a
- 10 little bit further down. And I'll blow
- 11 it up.
- 12 It states that you can use
- this method to detect the presence of
- serpentine material, including chrysotile
- asbestos, correct?
- A. Yes.
- Q. That's what it says?
- A. It does, yes.
- Q. Okay. And then when it says
- interferences, it talks about what's
- going to interfere with finding trace
- levels, correct?
- A. Yeah, what it says is, "No
- mineral is commonly found as trace

- 1 contaminants in cosmetic talc are known
- ² to exhibit thermal transitions," which
- would interfere with the detection of a
- ⁴ serpentine mineral by DTA.
- ⁵ Q. Right. And then if you go
- to the next page where it goes to
- ⁷ sensitivity, it says that the sensitivity
- 8 is .5 percent, correct?
- 9 A. Yes. That's -- that's
- 10 correct.
- 11 Q. So you are not going to even
- 12 find serpentine using this method under
- 13 .5 percent, correct?
- A. That method on its own, no.
- You'd -- you had done your x-ray
- diffraction to see if you have an
- amphibole mineral. That would exclude
- the tremolite type. And with the TEM,
- 19 you then look at -- you need to do the
- TEM part to see if you've got a
- serpentine.
- Q. All right. And what it says
- here, "This method is not specific as to
- 24 any variety of serpentine mineral, that

- is, whether it's antigorite chrysotile or
- 2 lizardite, " correct?
- A. That's what it says.
- Q. So you can't use this method
- ⁵ to determine whether the talc sample
- 6 contains chrysotile, correct? It won't
- ⁷ tell you?
- 8 A. Well, that's not entirely
- ⁹ true. If it contained chrysotile it
- would pick it up as a serpentine mineral.
- 11 You might get a false positive if it
- didn't contain chrysotile but contained
- some antigorite.
- Q. Right. You can't tell the
- 15 difference?
- A. You'd get a false positive.
- Q. Right. So you can't rely
- upon this method to tell you whether you
- 19 have chrysotile in the sample, correct,
- ²⁰ alone?
- A. No. If there's chrysotile
- present, the method would pick it up.
- What the method -- what the author said
- in terms of sensitivity, is if there were

- 1 antigorite present, it would also pick it
- ² up. But it would still pick it up if
- there were chrysotile present.
- 4 O. And it can tell the
- ⁵ difference between chrysotile and
- 6 antigorite?
- ⁷ A. No, but --
- Q. That's my point. My point
- 9 here is that you can't use this method to
- definitively find chrysotile, because you
- won't know whether it's chrysotile,
- antigorite, or lizardite, if they are all
- present, correct?
- A. I'll try and say that again.
- 15 If there were chrysotile there, it would
- pick it up. But also it would also pick
- it up, if it were present, antigorite or
- 18 lizardite. That's what they're --
- Q. And if there are all three,
- it can't tell you what is present, right?
- A. But it would show that --
- well, if they are there. If you were
- looking for chrysotile and you got a
- positive response with this method, it

- would flag up that there was a serpentine
- there, which could include chrysotile.
- Q. This states, "This method is
- 4 not" -- I don't want to fight with you.
- ⁵ "This method is not specific
- 6 as to the variety of serpentine mineral
- 7 present?" Does it state that?
- A. It does.
- 9 Q. Okay. So now, going back to
- the page, two pages before. According to
- this letter from Johnson & Johnson,
- 12 Mr. Lee, who you told me was a senior
- scientist, correct?
- A. That's correct, yes.
- 0. Okay. According to this
- letter, TEM, which you say is definitive
- for determining whether there is asbestos
- in talc, is never used, according to this
- 19 letter, on the finished product, correct?
- MR. BICKS: Objection to the
- 21 form.
- THE WITNESS: According to
- that letter, that would be the
- inference.

```
1
                 But what I did tell you is
2
           that there is what I call a belts
3
           and suspenders approach whereby --
4
    BY MR. PLACITELLA:
5
                 Sir -- sir --
           0.
6
           Α.
                  -- TEM is used --
7
                 Sir, I'm asking you what's
           0.
8
    reflected in this letter, not your
9
    opinions. Remember when we started
10
    saying I said I didn't want your
11
    opinions. I wanted the facts. Okay.
12
    And unless you have some contemporaneous
13
    document to document what you're saying,
14
    let's stick to the facts.
15
                 According to this letter --
16
                 MR. LOCKE: Objection.
17
    BY MR. PLACITELLA:
18
                 According to this letter,
19
    TEM is not used to test the finished
20
    product, correct?
21
                 MR. BICKS: Objection to the
22
           form.
23
                  THE WITNESS: It is used to
24
           test the ground ore but not the
```

```
1
           ore after it's been washed and
2
           dried.
3
                  MR. PLACITELLA: Okay.
4
           Let's go to 194.
5
    BY MR. PLACITELLA:
6
                  194 is the specification we
7
    went through before for TEM, correct?
8
           Α.
                  Yes.
9
                  Okay. And if you go to
            Ο.
10
    Page 3 under sample preparation, we said
    that was part of methodology?
11
12
                  Yes, that's correct.
           Α.
13
                  It says you take, in order
            Ο.
14
    to prepare the sample, 30 to
15
    50 milligrams of talc powder to start,
16
    correct?
17
                        That's what's written.
           Α.
                  Yes.
18
            Ο.
                  That is very, very little,
19
    correct?
20
                  It's a small sample, yes.
            Α.
21
                  Okay. Like, I don't know,
            Ο.
22
    could you even see it if I put it under
23
    the Elmo here, 30 to 50 milligrams?
24
                  Oh, yeah.
           Α.
```

- Q. You could?
- ² A. Yeah.
- Q. So can you go to Page 5.
- 4 When it talks about calculating the
- ⁵ detect -- calculation of a detection
- 6 limit.
- Do you see that?
- 8 A. I do.
- ⁹ Q. It says a minimum
- quantifiable mass of asbestos fibers
- based upon the detection of five fibers.
- Do you see that?
- 13 A. Yes.
- Q. So until you hit -- even if
- you see fibers, until you hit five fibers
- 16 according to this method, it's not
- quantifiable, correct?
- A. The term "quantifiable"
- means what weight, what percent, et
- cetera. And what it -- if you saw one
- fiber, you'd say, "I've seen one fiber."
- ²² I've seen two fibers. But to get a
- quantity, a quantifiable amount in
- percent, .0001 percent, what it says is

- that you would need to see five fibers,
- 2 knowing how much you put under your
- ³ microscope.
- ⁴ Q. All right. So in order to
- 5 say you found asbestos, you'd have at
- 6 least five fibers of one type, correct?
- A. No. Quantifiable, as I
- 8 said, relates to how do you create a
- 9 percentage. How do you say it's .0001
- percent. You need five fibers to do that
- 11 math.
- But you will certainly see
- one fiber under the -- under the
- microscope, and you would report if you
- saw one fiber.
- O. So you would put in the
- 17 report that you saw one fiber, even if it
- was not quantifiable? That's what you'd
- 19 put in the report?
- MR. BICKS: Objection to the
- 21 form.
- Who is the "you" here?
- MR. PLACITELLA: Johnson &
- Johnson.

1	THE WITNESS: The facilities
2	that have done the testing have
3	always reported if they found a
4	fiber, even one fiber.
5	This is a separate question
6	as to whether you can quantify it
7	in terms of percentages.
8	And to do that, the math of
9	this is that you'd need to see
10	five fibers based on the amount
11	that you had used your
12	50 milligrams to get a percentage
13	number. But you can certainly see
14	one fiber under the TEM.
1 -	BY MR. PLACITELLA:
15	BI MR. PLACIIELLA.
16	Q. So what happens if you find
16	Q. So what happens if you find
16 17	Q. So what happens if you find four fibers of tremolite, four fibers of
16 17 18	Q. So what happens if you find four fibers of tremolite, four fibers of actinolite. Four fibers of chrysotile.
16 17 18 19	Q. So what happens if you find four fibers of tremolite, four fibers of actinolite. Four fibers of chrysotile. And four fibers of something else?
16 17 18 19 20	Q. So what happens if you find four fibers of tremolite, four fibers of actinolite. Four fibers of chrysotile. And four fibers of something else? As long as it doesn't hit
16 17 18 19 20 21	Q. So what happens if you find four fibers of tremolite, four fibers of actinolite. Four fibers of chrysotile. And four fibers of something else? As long as it doesn't hit five fibers, you can have up to 16, 20

```
1
                  MR. BICKS: Objection to
2
           form.
3
                  THE WITNESS: No, no, that's
4
           not true. It uses a generic term,
5
            "quantifiable mass of asbestos
6
           fibers."
7
    BY MR. PLACITELLA:
8
                  So you can mix and match?
9
                  If there were -- if there
10
    were -- that's what this document reads.
11
    That if in theory you had actinolite or
12
    for a -- a serpentine fiber, you'd count
13
    that, whether it was four, five, six,
14
    whatever. You'd still count them with
15
    that number.
16
                  So as soon as you hit five,
17
    no matter what the fibers were, you would
18
    say it was quantifiable?
19
                  MR. BICKS: Asked and
20
           answered.
21
                  THE WITNESS: If they were
22
           asbestos fibers --
23
    BY MR. PLACITELLA:
24
                 Right.
           Q.
```

```
1
                  -- you could quantify it in
           Α.
2
    terms of percentage knowing that the
    figure started with the 50 milligrams
4
    that would allow you to work out a
5
    percentage. But you'd still see, even if
6
    it was just one asbestos fiber there, you
7
    would still see it with transmission
8
    microscopy.
9
                  MR. PLACITELLA: Okay. Now,
10
           get me 198.
11
                  (Document marked for
12
           identification as Exhibit
13
           J&J-198.)
14
    BY MR. PLACITELLA:
15
                  I've shown you Exhibit 198
16
    which is a November 26, 1990 letter from
    McCrone to Windsor Chemical -- Windsor
17
18
    Minerals. And in here, McCrone states
19
    that they found no quantifiable amounts
20
    of asbestiform minerals.
21
                  Do you see that?
22
           Α.
                 Yes.
23
                 How many fibers did they
           0.
24
    report here?
```

- A. I haven't read this report.
- Q. Well, right here on this
- letter, how many fibers are they
- 4 reporting? I mean, wouldn't the
- 5 layperson look at this and say there's no
- 6 asbestos?
- A. It says we found no
- ⁸ quantifiable amounts.
- 9 Q. Right. So how many fibers
- did they find here and what kind?
- 11 A. Well, based on that first
- page, it doesn't give the answer to your
- question. You'd need to read the whole
- 14 report, or at least I would need to read
- the whole report.
- Q. Go to Bates Number 7797.
- A. Yes.
- Q. Here it says they found
- ¹⁹ anthophyllite?
- A. Anthophyllite usually occurs
- in its non-asbestos form.
- Q. But does it say that?
- A. Well, no, but they phrased
- it differently. They found no

- ¹ asbestiform minerals.
- Q. Where -- where does it say
- 3 no asbestiform?
- 4 A. Page --
- ⁵ Q. I thought it said -- can you
- ⁶ just look at this for a second. If it's
- ⁷ a fiber, then it's asbestiform, right,
- 8 sir?
- 9 A. Usually, yes. Unless -- it
- depends on how we're defining fiber.
- 11 Q. So do you see the part where
- in notes it says "fibers"? I blew it up.
- A. I can see the word "fibers,"
- but I can't read the second word.
- Q. Okay. And do you see on
- that same page they found anthophyllite?
- A. Yes.
- Q. Okay. That's not reported
- on this page, is it?
- A. Well, they claim not to have
- found any asbestos.
- Q. Well, no. It says, "We
- found no quantifiable amounts of
- asbestiform." But they found

```
1
    anthophyllite, correct?
2
                 They found anthophyllite.
           Α.
    But from that, without more detail and
    without more information, it doesn't tell
5
    us whether they were an asbestiform.
6
                 Yeah, sure, it does. It
7
    says fibers, right? Somebody didn't make
8
    that up. Let's go to another one. How
9
    about --
10
                 MR. BICKS: Can I just make
11
           sure I see this right?
12
                 MR. PLACITELLA: No.
13
                 MR. BICKS: No, no, hold on
14
           a minute. This is the exhibit
15
           that you just put in front of him.
16
                 MR. PLACITELLA: Mm-hmm.
17
                 MR. BICKS: And you're
18
           suggesting that that attachment
19
           that you're reading that chart is
20
           part of this letter dated
21
           November 26th.
22
                 MR. PLACITELLA: I'm not
23
           saying it's part. I'm not saying
24
           it's part of it. All right.
```

```
1
           Let's go back.
2
    BY MR. PLACITELLA:
3
           Q. Do you see the numbers here?
4
                 MR. BICKS: Because the
5
           enclosure is with a different
6
           document.
7
                 MR. PLACITELLA: 9028, 9029,
8
           9030.
9
                 THE WITNESS: That says
10
           client ID. The client has to be
11
           Windsor Minerals or Cyprus
12
           Minerals.
13
    BY MR. PLACITELLA:
14
           Q. All right. Do you see here
15
    where it's the same numbers, 90, 90 and
16
    90, September 1990?
17
                 MR. BICKS: That's the year.
18
    BY MR. PLACITELLA:
19
           Q. CWM 90, 28, 29 and 30. 28,
20
    29 and 30, correct?
           A. Correct. What it doesn't
21
22
    tell us is what this is. Cyprus Minerals
23
    had a major manufacturing operation for
    industrial talcs. That's nothing here
24
```

- that says this is Johnson's Baby Powder
- ² talc.
- Q. I didn't ask you that
- 4 question, sir?
- ⁵ A. It's giving a designation.
- Q. Does -- by the way, can you
- ⁷ go to 7803?
- 8 A. Yes.
- 9 Q. Here they find chrysotile?
- 10 A. They reported a chrysotile
- 11 fiber, yes.
- Q. Okay. Is that reported by
- 13 McCrone in their report?
- A. On this report, no. But
- again, what is this to do with Johnson's
- 16 Baby Powder?
- Q. Well, you tell me, sir.
- A. Well, what I can tell you is
- that Cyprus Minerals when they took over
- the operation from Windsor Minerals,
- 21 carried on mining and manufacturing
- industrial talcs, which were quite
- separate from the talcs that were used in
- 24 Baby Powder. And the point I'm making is

```
that without proper identification as to
```

- what this is and what it related to,
- there's no tie or link to Johnson's Baby
- 4 Powder.
- Okay. But that wasn't any
- of my questions, was it? My question was
- ⁷ McCrone is listing as not quantifiable,
- 8 no asbestos, in this report to Windsor,
- ⁹ yet they found asbestos, correct?
- MR. BICKS: No foundation.
- THE WITNESS: Well, they
- reported they found a chrysotile
- fiber and an anthophyllite
- material.
- 15 BY MR. PLACITELLA:
- Q. All right. So let's see if
- ¹⁷ I can abbreviate this deposition a little
- 18 bit. You tell me, true or false, the
- answer to these questions. You have it
- in front of you -- why don't we mark that
- ²¹ first.
- 22 (Document marked for
- identification as Exhibit
- Hopkins-4.)

```
1
    BY MR. PLACITELLA:
2
                  Hopkins-4. True or false:
           Q.
3
                  Johnson & Johnson is aware
4
    of test results indicating that asbestos
5
    was found in Vermont talc mines used to
6
    make Johnson's Baby Powder?
7
                  Asbestos was found in the
           Α.
8
    mines used to make Johnson's Baby Powder.
9
    (Reading aloud).
10
                  I'm not aware that asbestos
11
    has ever been found in the mines that we
12
    used to make Johnson's Baby Powder, i.e.,
13
    Hammondsville mine, Hamm mine, Argonaut
14
    mine.
15
                  So can you circle false
           Q.
16
    then?
17
                 No, I've got a pen.
           Α.
18
                  Johnson & Johnson -- next.
           Q.
19
                  Johnson & Johnson is aware
20
    of test results indicating that fibrous
21
    tremolite was found in the Vermont talc
22
    mines used to make Johnson's Baby Powder.
23
    True or false?
24
                  MR. SILVER: Objection to
```

```
1
           the form.
2
                  MR. BICKS: Objection to the
3
           true/false, but go ahead.
4
                  THE WITNESS: It isn't
5
           always possible to give a true or
6
           false answer. You need to
7
           actually give a bit more detail.
8
           The Vermont talc mines cover --
9
           Vermont is a darn big state.
10
           There are dozens of talc mines in
11
           Vermont. But the mines used to
12
           make Johnson's Baby Powder do not
13
           contain asbestos tremolite.
14
    BY MR. PLACITELLA:
15
                 Johnson & Johnson is aware
16
    of test results -- I didn't ask that
17
    question.
18
                 Johnson & Johnson is aware
19
    of test results indicating that fibrous
20
    tremolite was found in the Vermont talc
21
    mines used to make Johnson's Baby Powder.
22
    True or false?
23
                 MR. SILVER: Objection.
24
                                Again, this is
                  THE WITNESS:
```

```
1
           a question where there isn't an
2
           easy answer. Fibrous tremolite
3
           is, if it's asbestos, so the
4
           answer would be false.
5
    BY MR. PLACITELLA:
6
           0.
                 So the answer is false?
7
                 That is my opinion, yes.
           Α.
8
                 Okay. Okay. False.
           0.
9
                 Next. Johnson & Johnson is
    aware of test results indicating --
10
11
                 THE VIDEOGRAPHER: Put your
12
           microphone on.
13
                 MR. PLACITELLA: I'm sorry.
14
    BY MR. PLACITELLA:
15
           Q. -- indicating that fibrous
16
    amphiboles were found in the Vermont talc
17
    mines used to make Johnson's Baby Powder.
18
    True or false?
19
                 MR. SILVER: Objection to
20
           form.
21
                 THE WITNESS: Again, my
22
           answer is that that is false.
23
           There is no fibrous amphiboles, if
24
           they are equivalent to asbestos,
```

- 1 in the Johnson's Baby Powder. 2 BY MR. PLACITELLA: 3 Q. So you're not aware of any test results. We'll make it false. 4 5 Okay. Next. Johnson & 6 Johnson is aware of test results 7 indicating that fibrous actinolite was 8 found in the Vermont talc mines used to make Johnson's Baby Powder. 10 MR. SILVER: Objection to 11 the form. 12 BY MR. PLACITELLA: 13 O. True or false? 14 MR. BICKS: Object to the 15 form. 16 THE WITNESS: Again, it's a 17 question that, how do you define 18 fibrous actinolite. If you're 19 saying, is it the asbestos
- 21 then the answer is false.
- 22 BY MR. PLACITELLA:
- 23 Q. No, I'm using your
- 24 definition, sir. Fibrous actinolite.

actinolite, form of actinolite,

- 1 Johnson & Johnson aware of test results
- ² indicating that fibrous actinolite was
- ³ found in the Vermont talc mines that was
- 4 used to make Baby Powder?
- 5 A. I'm not aware, speaking for
- ⁶ Johnson & Johnson, of test results
- ⁷ indicating that that was the case. So
- 8 the answer again I'm going to give is
- ⁹ false.
- 0. False. Okay.
- Next. Johnson & Johnson is
- 12 aware of test results indicating that
- 13 fibrous talc was found in the Vermont
- talc mines used to make Johnson's Baby
- 15 Powder. True or false?
- MR. SILVER: Objection to
- form.
- THE WITNESS: You need to
- define what is meant by "fibrous"
- talc."
- Talc can occur -- pure talc
- can occur in a fibrous form if
- it's -- or a shard or a split from
- talc. And it would appear as a

- fiber. And so the answer is that
- you can get fibrous talc in
- Vermont talc mines.
- ⁴ BY MR. PLACITELLA:
- 5 O. So the answer is true?
- ⁶ A. It could be true. But it
- ⁷ depends -- and this is the key thing with
- 8 this whole dialogue. It depends on how
- ⁹ you define these materials.
- Q. I'm using your definition,
- 11 sir.
- 12 A. I --
- 13 O. The definition that we
- 14 started out with.
- A. I've never seen --
- O. The definition articulated
- by Johnson & Johnson.
- MR. BICKS: I don't think we
- had fibrous talc.
- THE WITNESS: I don't
- believe I've ever seen the word
- fibrous talc in a definition.
- 23 BY MR. PLACITELLA:
- Q. We'll get there. So is this

- false or true or you don't know?
- A. I would say, yeah, because
- we don't have a definition --
- Q. Okay. Put a question mark.
- ⁵ You don't know.
- A. I'll put an asterisk in the
- ⁷ middle.
- Q. Well, okay. Well, I'm going
- ⁹ to put a question mark because you don't
- 10 know. Okay.
- Next. Johnson & Johnson is
- 12 aware of test results indicating that
- asbestos was found in the processed
- 14 Vermont talc used to make Johnson's Baby
- 15 Powder.
- MR. SILVER: Objection to
- form.
- THE WITNESS: Again, I'm not
- aware of any finding of asbestos
- in Vermont talc.
- 21 BY MR. PLACITELLA:
- Q. False?
- A. That's my opinion, yes.
- Q. I don't want your opinion.

```
1
    I'm asking you --
2
                  Yes that's my statement on
           Α.
    behalf of Johnson & Johnson --
3
4
           0.
                 Okay.
5
                 -- that that, I believe, is
           Α.
6
    false.
7
           Ο.
                 All right. Johnson &
8
    Johnson is aware of test results
9
    indicating that fibrous talc was found in
10
    the processed Vermont talc used to make
11
    Johnson's Baby Powder. True or false?
12
                  MR. SILVER: Objection to
13
           form.
14
                  THE WITNESS: Again, this is
15
           very similar to the question --
16
           the previous -- the previous one,
17
           two before, where we talk about
18
           what is fibrous talc.
19
                  It is talk that may occur by
20
           being processed into a fiber. You
21
           can get a fibrous talc. It's
22
           still talc. It's not harmful.
23
                  So I'm not sure we've ever
2.4
           measured fibrous talc. You're
```

- talking about test results. I've
- not seen test results for fibrous
- 3 talc.
- ⁴ BY MR. PLACITELLA:
- ⁵ Q. So false?
- A. Well, I don't have the
- ⁷ answer to that because fibrous talc is
- 8 not a parameter that's measured as a
- 9 routine quality control process.
- Q. And you've -- and Johnson &
- Johnson has never seen any test results
- indicating whether there was fibrous talc
- in the mines that were used to make Baby
- 14 Powder. That's the question. You said
- you don't know.
- A. I'll say I don't know.
- Q. Is fibrous talc harmful by
- 18 the way?
- ¹⁹ A. No.
- Q. Okay. Johnson & Johnson --
- next. Johnson & Johnson is aware of test
- results indicating that fibrous tremolite
- was found in the processed Vermont talc
- used to make Johnson's Baby Powder. True

```
1
    or false?
2
                 MR. SILVER: Objection to
3
           the form.
4
                 MR. BICKS: Object to the
5
           form.
6
                 THE WITNESS: Again, fibrous
7
           tremolite, if it were asbestos
8
           tremolite, then the answer would
9
           be false.
10
    BY MR. PLACITELLA:
11
           Q. No, sir. I'm not asking you
12
    to interpret or give an opinion.
13
                 The question is: Johnson &
14
    Johnson is aware of test results
15
    indicating that fibrous tremolite was
16
    found in the processed Vermont talc used
17
    to make Johnson's Baby Powder. True or
18
    false?
19
                 MR. SILVER: Same objection.
20
    BY MR. PLACITELLA:
21
           Q. You are either aware or
22
    you're not.
23
           A. I'm going to give I don't
24
    know because you've not defined fibrous
```

- tremolite. It's a geologist's
- ² description.
- Q. Sir, I'm using your
- 4 definition.
- ⁵ A. That case --
- 6 Q. You say asbestos that is --
- ⁷ tremolite that is fibrous is asbestos.
- 8 Isn't that your definition?
- ⁹ A. The definition of asbestos
- is more than just a fiber. It relates to
- surface charge, flexibility, length.
- 0. Sir --
- 13 A. There's a lot more to it
- ¹⁴ than --
- O. That's not in your
- definition, with all due respect, that we
- started with, is it?
- A. Not with that definition
- that you have back in the 1970s.
- Q. And that was the Johnson &
- Johnson definition, correct?
- A. That was the definition --
- Q. Okay.
- A. -- which is written in the

```
specification --
1
2
                 All right. So using the
3
    definition that's written in your
4
    specification of asbestos and fibrous
5
    tremolite, Johnson & Johnson is aware of
6
    test results indicating that fibrous
7
    tremolite was found in the processed
8
    Vermont talc used to make Johnson's Baby
9
    Powder. True or false?
10
                 MR. BICKS: Object to the
11
           form.
12
                 MR. SILVER: Objection.
13
                  THE WITNESS: And my answer
14
           is false.
15
    BY MR. PLACITELLA:
16
                 Okay. False.
           0.
17
                 Next. Johnson & Johnson is
18
    aware of test results indicating that
19
    fibrous actinolite was found in the
20
    processed Vermont talc used to make
21
    Johnson's Baby Powder. True or false?
22
                 MR. SILVER: Objection to
23
           form.
```

THE WITNESS: Again, it's

```
1
           the same -- it's the same answer.
2
           I've not seen test results for
3
           Johnson's Baby Powder which
4
           contained fibrous actinolite.
5
    BY MR. PLACITELLA:
6
           0.
                 That's not what this asks.
7
                 So -- no, I've said -- you
           Α.
8
    said are you aware of test results. And
9
    I'm saying I'm not aware of test results.
10
                 Okay. So false?
           0.
11
           Α.
                 That's my --
12
           Q. Okay.
13
           Α.
                 -- opinion, yes.
14
                 Okay. Next. Johnson &
           Q.
15
    Johnson is aware of test results
16
    indicating that chrysotile was found in
17
    the processed Vermont talc used to make
18
    Johnson's Baby Powder. True or false?
19
                 MR. SILVER: Object to form.
20
                 THE WITNESS: Again, same
21
           answer. It's false.
22
    BY MR. PLACITELLA:
23
           Q. False. Next. Johnson &
24
    Johnson is aware of test results
```

- 1 reporting that asbestos was found in the
- Vermont talc mines used to make Johnson's
- Baby Powder. True or false?
- MR. SILVER: Object to form.
- THE WITNESS: I'm not aware
- that asbestos has ever been found
- in the mines that are used to
- provide Johnson's Baby Powder.
- 9 BY MR. PLACITELLA:
- 0. False?
- 11 A. So the answer would be
- ¹² false.
- 0. Next. Johnson & Johnson is
- aware of test results reporting fibrous
- tremolite was found in the Vermont talc
- mines used to make Johnson's Baby Powder.
- MR. SILVER: Object to form.
- THE WITNESS: We had that
- question already.
- 20 BY MR. PLACITELLA:
- 0. It's a different question.
- A. Okay. Again, the answer is
- no, I've not seen results that there was
- ²⁴ fibrous tremolite.

```
1
                 Okay.
                        Next. Johnson &
           0.
2
    Johnson is aware of test results
    reporting that fibrous amphiboles were
    found in the Vermont talc mines used to
5
    make Johnson's Baby Powder.
6
                 MR. SILVER: Object to form.
7
                 THE WITNESS: Again, the
8
           same question. It is -- or a very
9
           similar question. So I'm not
10
           aware of results that report
11
           fibrous amphiboles in the mines
12
           used to make Johnson's Baby
13
           Powder.
14
    BY MR. PLACITELLA:
15
           Q.
                 Okay. False.
16
                 Next, Johnson & Johnson is
17
    aware of test results reporting that
18
    fibrous actinolite was found in the
19
    Vermont mines used to make Johnson's Baby
20
    Powder.
21
                 MR. SILVER: Object to form.
22
                 THE WITNESS: Again, I've
23
           not seen results that report that.
24
    BY MR. PLACITELLA:
```

```
1
                 Okay. False. Johnson &
           0.
2
    Johnson is aware of test results
    reporting that fibrous talc was found in
4
    the Vermont talc mines used to make
5
    Johnson's Baby Powder?
6
                 MR. SILVER: Object to form.
7
                 THE WITNESS: Again, same
8
           story. I've not seen reports on
9
           fibrous talc in the talc mines.
10
    BY MR. PLACITELLA:
11
                 Okay. We're almost done.
           0.
12
                 Johnson & Johnson is aware
13
    of test results reporting that asbestos
14
    was found in the processed Vermont talc
15
    used to make Johnson's Baby Powder?
16
                 MR. SILVER: Object to form.
17
                 THE WITNESS: Again, I'm
18
           saying false. That's a false
19
           statement.
20
    BY MR. PLACITELLA:
21
                 Next. Johnson & Johnson is
22
    aware of test results reporting that
23
    fibrous talc was found in the processed
    Vermont talc used to make Johnson's Baby
24
```

```
Powder?
1
2
                 MR. SILVER: Object to form.
3
                 THE WITNESS: Again, I've
4
           not seen test results reporting
5
           fibrous talc in Baby Powder.
6
    BY MR. PLACITELLA:
7
                 Next. Johnson & Johnson is
           0.
8
    aware of test results reporting that
9
    fibrous tremolite was found in the
10
    processed Vermont talc used to make
11
    Johnson's Baby Powder?
12
                 MR. SILVER: Object to form.
13
                 THE WITNESS: Again, I am
14
           not aware of any test results that
15
           report fibrous tremolite --
16
    BY MR. PLACITELLA:
17
           O. False?
18
           A. -- in the ore, so in talc.
19
    So I'm saying false.
20
                 Next. Johnson & Johnson is
21
    aware of test results reporting that
22
    fibrous actinolite was found in the
23
    processed Vermont talc used to make
24
    Johnson's Baby Powder.
```

```
1
                 MR. SILVER: Object to form.
2
                 MR. BICKS: Object to the
3
           form.
4
                  THE WITNESS: Again, I'm not
           aware of test results that report
5
6
           fibrous actinolite in the talc --
7
    BY MR. PLACITELLA:
8
           O. So false?
9
                 -- relating to Baby Powder.
           Α.
10
    Yes.
11
                 Okay. Last one. Johnson &
           Q.
    Johnson is aware of test results
12
13
    reporting that chrysotile was found in
14
    processed Vermont talc used to make
15
    Johnson's Baby Powder?
16
                 MR. SILVER: Object to form.
17
                 THE WITNESS: Again, I've
18
           not seen results that indicate
19
           that chrysotile is in the talc.
20
                 MR. PLACITELLA: Can you
21
           give me Exhibit 1?
22
                 MR. LOCKE: Before we move
23
           on, what's happening with these
24
           slides? Are they --
```

1	MR. PLACITELLA: It's been
2	
2	marked, and he's marked them. And
3	it's marked as an exhibit.
4	MR. LOCKE: When you're
5	saying he's marked them.
6	MR. PLACITELLA: It's been
7	marked, and he's been circling
8	them. Yes.
9	(Document marked for
10	identification as Exhibit
11	J&J-1.)
12	BY MR. PLACITELLA:
13	Q. Exhibit J&J-1 is a progress
14	report from the Battelle Field of
15	Research dated May 9, 1958. You've seen
16	this document before, correct?
17	A. Correct.
18	MR. BICKS: I think you
19	pronounce it Battelle.
20	THE WITNESS: Yes, I have
21	seen it some time ago, yes.
22	MR. PLACITELLA: Okay.
23	Actually my aunt who is off the
24	boat, she says Battelle. That's

```
1
           how you know. So I'll use
2
           whatever you want.
3
                 MR. SILVER: This is a
4
           different Exhibit 1 than the other
           Exhibit 1?
5
6
                 MR. PLACITELLA: That was
7
           Hopkins-1.
8
    BY MR. PLACITELLA:
9
           Q. If you go to Page 3 --
10
                 MR. SILVER: What was the
11
           first Bates again?
12
                 MR. PLACITELLA: Oh, you
13
           need a Bates number.
14
           JNJAZ55_000000906. Okay. If you
15
           go to Bates number 912. I gave
16
           the date.
17
    BY MR. PLACITELLA:
18
           Q. This states that the Italian
19
    Talc Number 1 contains from less than 1
20
    percent to about 3 percent of
21
    contaminants.
22
                 Do you see that?
23
                 That's what's written, yes.
           Α.
24
                 And it indicates that the
           Q.
```

- 1 amphibole component that they found was
- tremolite, correct?
- A. Yes. Yes, it does say, yes.
- ⁴ A variety of tremolite, yes.
- ⁵ Q. And then if you go to the
- 6 next page, there's a bunch of charts that
- ⁷ talk about the percent of tremolite that
- 8 was found.
- 9 Do you see that?
- A. What table is this? Which
- 11 table?
- Q. Table 1. And then Table 2.
- Do you see that? Table 1 is titled --
- A. Yeah, I'm just reading -- it
- doesn't say what the contaminants were.
- 16 It describes them as 1 percent or -- yes,
- 17 okay.
- Q. All right. And you see that
- this was testing that was done actually
- not in Italy, but in the plant in
- ²¹ Cranford, New Jersey.
- Do you see that?
- ²³ A. Yes.
- Q. So I guess Battelle is okay.

- And you see on Table 2 where
- it talks about the mineral contaminants?
- A. Yes.
- Q. And do you see where it says
- 5 tremolite?
- ⁶ A. Yes, I do.
- ⁷ Q. And it talks about basically
- 8 from zero to trace amounts, correct?
- ⁹ A. It does.
- Q. What's trace-1 mean, if you
- 11 know?
- A. I don't know.
- 13 Q. Okay.
- 14 A. The limit of detection, I
- would quess.
- Q. If you go to Page 17 of the
- 17 report, it clearly states that the talc
- contains tremolite. Can we agree?
- MR. SILVER: Objection to
- form.
- THE WITNESS: Yes. Trace.
- Zero to trace. Yes.
- 23 BY MR. PLACITELLA:
- Q. Okay. And then a little bit

```
further down on Page 28 -- I'm sorry, go
to Page 31. I'll cut this short.
```

- It talks about keeping the
- 4 amphiboles less than 1 percent, correct?
- MR. BICKS: Where? Where
- 6 are we?
- THE WITNESS: It says, "The
- 8 following are the recommendation
- 9 requirements for beneficiation
- products to be equivalent of
- Number 1 talc."
- 12 BY MR. PLACITELLA:
- 0. All right. So I want to try
- to keep these as we go through them. So
- 15 I'm going to ask Lea to actually make a
- 16 chart.
- MR. PLACITELLA: Can we take
- J&J-1. Can you put that up?
- 19 BY MR. PLACITELLA:
- Q. I made some columns. The
- date, the exhibit number, the entity, the
- author, the recipients, the purpose of it
- stated, the test method, the mines, what
- was tested, any special preparations,

- what the test showed. And we'll leave
- ² the last one for another day.
- MR. PLACITELLA: Can you
- fill that in, Lea?
- 5 BY MR. PLACITELLA:
- ⁶ Q. Is that a fair assessment of
- ⁷ what the document states, what's on the
- 8 screen now?
- ⁹ A. I believe so.
- 10 Q. Okay.
- MR. PLACITELLA: Give me
- J&J-2.
- 13 (Document marked for
- identification as Exhibit
- J&J-2.)
- 16 BY MR. PLACITELLA:
- Q. J&J-2 is another progress
- 18 report from Battelle Memorial institute.
- 19 This is this is dated May 23, 1958. The
- Bates number, JNJNL61, a bunch of zeros,
- ²¹ 134.
- Do you see that?
- ²³ A. Yes.
- Q. Okay. It's by Brown Smith &

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<sup>1</sup> MacDonald.
```

- Do you see that?
- A. Yes.
- 4 O. And in the introduction it
- ⁵ says, "Johnson & Johnson is obtaining raw
- 6 material for Baby Powder talcum from
- ⁷ Italian deposits. The talc is regarded
- 8 as very good quality." Correct?
- ⁹ A. Yes.
- 0. Okay. And you understand
- 11 that this -- you've seen this report.
- 12 This report is a test for what's in the
- talc that's going into the baby powder,
- 14 correct?
- A. Well, that's one aspect of
- it. The point of the report is to
- understand and develop a process for
- beneficiation, how to -- washing of the
- 19 talc, cleaning it up, and getting the
- 20 particles you want, the large platy ones
- to rise to the top of the vessel so that
- you can use those to make the baby
- powder. So it's a manufacturing process.
- Q. Sure. Fair enough.

- If you go to Page 4 of the
- ² report under samples tested. It talks
- 3 about Italian Number 1 and Italian Number
- 4 2 talc tested?
- ⁵ A. Yes. They are -- Battelle
- 6 are looking at those two talcs in their
- ⁷ investigation for beneficiation.
- Q. And they find that
- 9 approximately 6 percent of the talc in
- the Number 2 talc is fibrous and 8 to
- 10 percent of the talc in the Number 1
- 12 talc is fibrous, correct?
- 13 A. That's what's reported in
- this report.
- Q. Okay. And they here report
- 16 tremolite, correct?
- 17 A. The word "trace" appears,
- 18 yes.
- Q. Well, they have trace and
- then they have a Number 1?
- A. A one, yes.
- Q. What's one mean?
- A. I don't know.
- Q. Okay. Now, on Page 5, they

- 1 state, "Non-platy talc contained in the
- ² Italian samples is mostly fibrous or
- ³ acicular in form. It is difficult to
- 4 distinguish acicular talc from remnants
- of platelets and tremolite in sizes
- 6 similar" -- "smaller than 10 microns,"
- ⁷ correct? That's what it says?
- 8 A. Yes, you read what was
- 9 written --
- Q. And it then says --
- A. -- yes, in talc, yes.
- 0. -- "Table 2 includes, for
- comparison, the composition of the
- 14 Italian Number 1 grade, which is the raw
- 15 material" -- "raw material currently used
- in Johnson & Johnson Baby Powder. The
- minute logical difference between Number
- 18 1 and 2 grades is almost insignificant,
- 19 correct?
- A. You read what was written.
- 21 Yes.
- Q. Okay. Go down to Page 14 to
- Table 15. Table 15 is where they compare
- the testing for the Italian Number 1 and

- 1 Number 2 talc, correct?
- ² A. Yes.
- Q. And they find that in the
- ⁴ raw talc there is fibrous talc, correct?
- ⁵ A. That's what they reported.
- ⁶ Yes.
- ⁷ Q. And after they do the
- 8 benefication (sic) process where they
- ⁹ float it to try to separate out the
- 10 contaminants, they still find fibrous
- 11 talc, correct?
- MR. BICKS: It's
- beneficiation.
- 14 THE WITNESS: Beneficiation
- is the process of trying to
- achieve the larger particles that
- you want. You try to get more of
- those.
- 19 BY MR. PLACITELLA:
- Q. And after that process, on
- the finished product they still find
- fibrous talc, correct?
- ²³ A. Yes.
- Q. And in all the samples they

1 find tremolite, some a lot lower than others, correct? 2 3 They report tremolite, yes. Α. 4 So can we go to -- back to 5 our chart. I had Lea put up while you 6 were testifying the date, the exhibit. 7 They looked at the processed talc and 8 they found tremolite, and 6 to 10 percent 9 fibrous talc. 10 MR. PLACITELLA: You have to 11 put a space. You can't make that 12 tremolite 6 to 10 percent. You've 13 got to take that out. 14 Different -- different line. 15 Semicolon. Let's make sure we got 16 it right. Okay. 17 BY MR. PLACITELLA: 18 O. Is that fair? 19 MR. LOCKE: Can we put that 20 on a different line? 21 MR. PLACITELLA: I'm sorry? 22 MR. LOCKE: Can we put it on

a different line, 6 to 10 percent

Golkow Litigation Services

fibrous talc.

23

```
1
    BY MR. PLACITELLA:
2
                  How is that? Is that fair?
3
                  I think that's representing
4
    what was in that report in 1958.
5
                 Okay, great.
           0.
6
                  MR. PLACITELLA: So give me
7
           nine.
8
                   (Document marked for
9
           identification as Exhibit
10
           J&J-9.)
11
    BY MR. PLACITELLA:
12
                  I'll show you what's been
13
    marked Exhibit 9. I think you've seen
14
    this before, in reading your testimony.
15
                  Exhibit 9 is a report from
16
    the Colorado School of Mines, dated
17
    December 4, 1970, for Johnson & Johnson,
18
    concerning the geology and ore reserves
19
    of the Hammondsville mine, correct?
20
           Α.
                  It is, yes.
21
                 And it states -- and it
22
    states, "The attached report completes
23
    our work on the nature and magnitude of
24
    our ore body in Vermont from which we
```

1 manufacture baby powder talc, " correct? 2 Α. Yes. 3 And you've seen this before? 0. 4 Α. I believe so, yes. 5 Okay. And in the 0. 6 introduction, it talks about how you 7 engaged the Colorado School of Mines to 8 conduct the study, correct? 9 Α. Yes. 10 And it was authorized and 11 accepted by Mr. Talc himself, William 12 Ashton, correct? 13 It says, "The study was 14 authorized by letter from William Ashton, 15 June 1970. 16 Okay. And what it states on 17 Page 13 is that they looked at 38 core 18 samples, correct? 19 Α. Page? 20 13. 0. 21 13. Α. 22 Q. On the bottom. I blew it 23 up.

Oh, yes.

Α.

- Q. Hopefully I'll highlight it
- ² for you. Make it easier.
- A. Okay.
- Q. And on Page 19, it says that
- 5 the method that was used was an x-ray
- examination and petrographic, correct?
- ⁷ A. Yes.
- Q. And if you go to Table 1
- ⁹ which would be on Page 20, they found
- tremolite, correct?
- MR. SILVER: Mr. Placitella,
- can I ask you to -- for my
- colleague, can you blow up the
- Bates number, so he can --
- MR. PLACITELLA: Sure.
- 16 BY MR. PLACITELLA:
- 17 Q. They find tremolite on Table
- 18 1, correct?
- 19 A. They reported a peak height
- with tremolite. Yes.
- Q. Okay. And on the next page,
- they continued to report tremolite,
- 23 correct?
- A. Yes they report that. The

- interval 223A as part of their core
- ² drilling.
- Q. Okay. And they also
- ⁴ report -- well, what they do here is they
- basically go down different levels of the
- 6 mine, correct, and they take samples and
- ⁷ test them at different levels, correct?
- A. Yeah. So you know where to
- ⁹ go, where the talc is and where it isn't.
- Q. Right. And they use a
- diamond drill like you said. And they
- use XRD, correct?
- 13 A. They --
- Q. And they found --
- A. They did. Yes.
- Q. -- tremolite and actinolite,
- 17 right?
- 18 A. They reported that in one of
- 19 the holes, yes.
- Q. So when they say 2.5, does
- that mean 2.5 percent?
- A. My understanding is no.
- It's -- the x-ray diffraction peak
- heights in centimeters, so I don't

- believe that translates to percentages.
- Q. Okay. But if you look a
- ³ little further down, they're talking
- 4 about fibrous talc in the mine that was
- 5 used to make Baby Powder, and it says 10
- 6 percent correct?
- MR. BICKS: Objection to the
- 8 form.
- 9 THE WITNESS: Where are you
- reading 10 percent?
- 11 BY MR. PLACITELLA:
- 12 Q. Table 2. Look at Bates
- ¹³ Number 184.
- 14 A. Okay, you've gone 14 pages
- 15 ahead.
- Q. Yeah I'm trying to move this
- through so we can get done.
- A. Okay. This is a different
- 19 table.
- Q. Right.
- A. Yes, and -- yes, they've
- given percentages here, which is
- different from the peak heights.
- Q. And they found 10 percent

```
fibrous talc in the mine that was used to
1
2
    make Johnson's Baby Powder, true?
3
                 MR. SILVER: Object to form.
4
                 MR. BICKS: Object to form.
5
                 THE WITNESS: Well, they
6
           found -- when they were doing the
7
           diamond drilling, there are
8
           certain areas where they found
9
           fibrous talc, yes.
10
    BY MR. PLACITELLA:
11
           Q. Okay.
12
           Α.
                 But that does not
13
    necessarily mean the areas where the
14
    product was mined to make Johnson's Baby
15
    Powder.
              Okay. Go to Table 3, next
16
17
    page, ends with 185. Percentage of
    fibrous talc, depending on what level,
18
19
    ranges from five to 20 percent, correct?
20
                 Yeah. Again, this is
           Α.
21
    diamond drill hole number 6-67H, and they
22
    reported that they found fibrous talc
23
    10 -- you know, various holes, 10,
24
    20 percent, 10, yes, 5 percent. Yeah on
```

- ¹ those particular drill holes.
- Q. Okay. Let's just do one
- more and we'll go to the next document.
- ⁴ Look at Table 11.
- A. What page, Bates number?
- ⁶ Q. 197.
- A. Okay.
- O. They're still finding 5 to
- 9 10 percent fibrous talc, correct?
- 10 A. Yes. In diamond drill hole
- ¹¹ 40-67-H --
- 12 Q. Okay.
- 13 A. -- they have found that over
- their best study -- the study.
- O. And they found tremolite
- 16 repeatedly right? I mean, I could --
- 17 Table 13 they found tremolite.
- MR. BICKS: Objection to
- 19 form.
- 20 BY MR. PLACITELLA:
- O. Table 16 they found
- tremolite. Table 14 they found
- ²³ tremolite?
- A. The tables report what they

1 find. 2 Right. And if you go to Q. 3 Bates Number 260. They actually start to 4 describe each of the specimens that they -- well, let me ask you the question 5 6 this way to cut it short. Do you agree 7 with me that they found both tremolite 8 and fibrous talc throughout the 9 Hammondsville mine when they did this 10 testing? 11 MR. BICKS: Objection to the 12 form. 13 THE WITNESS: Now that 14 you're phrasing that in a way that is prejudicial, the whole point of 15 16 doing testing and diamond 17 drilling, you go over many acres, 18 you drill down to find where you 19 can mine and where you don't mine. 20 So they obviously found 21 areas where those materials they 22 didn't want. And there are areas, 23 the vast number of core drills 2.4 which didn't report those features

- and those findings, so --
- 2 BY MR. PLACITELLA:
- ³ Q. So --
- ⁴ A. So the whole point is that
- 5 you need to know where you're going. And
- the whole point is that you're doing a
- ⁷ mine mapping to create that picture of
- where the good stuff is and where it
- 9 isn't.
- 0. And this is all in a diamond
- mined section, right?
- 12 A. They do lots of drills,
- many, many drills over many acres to --
- to get an understanding of where you can
- mine and where you don't mine.
- Q. All right. So I'm trying to
- understand. So the camera is on me,
- 18 right?
- So you drill straight down
- and you find tremolite here, fibrous talc
- here, nothing here, tremolite here,
- fibrous talc here. And you say they kind
- of maneuver around that and they only
- ²⁴ pull out that little piece and that's

- what they take and put in the Baby
- Powder, right?
- MR. LOCKE: Objection.
- MR. BICKS: Objection to the
- 5 form.
- THE WITNESS: Well, that's a
- ⁷ bit --
- 8 BY MR. PLACITELLA:
- 9 Q. That's what I'm trying to
- ¹⁰ understand.
- A. No, that's a bit theatrical.
- Q. Well, I'm theatrical because
- 13 it is important.
- A. It is important. But the
- whole point I'm trying to make at this
- point is that when you do diamond core
- samples over many acres, you get a
- picture of what the mining area can do
- ¹⁹ and what it cannot do.
- So it allows you to operate
- in those areas that will give you the
- 22 product you want. It allows you to avoid
- those areas that you don't want. That's
- 24 the whole point of diamond core drilling.

```
1 You're going to get results which you
```

- say, wow, we're not going to drill there,
- 3 thank you.
- MR. BICKS: Chris, we've
- been going about an hour and a
- 6 half.
- 7 MR. PLACITELLA: One more
- guestion, and then we'll stop.
- 9 MR. BICKS: Yeah.
- MR. PLACITELLA: Or two,
- because we're going to have to
- switch.
- 13 BY MR. PLACITELLA:
- Q. But the purpose of this was
- to look at the geology of the ore
- 16 reserves for the Hammondsville mine that
- was going in the Baby Powder, right?
- A. Yes. You're looking at the
- ¹⁹ big picture.
- MR. PLACITELLA: All right.
- Can you -- Lea, did you type it
- in? All right. Can you switch
- over?
- 24 BY MR. PLACITELLA:

- Q. So the third entry,
- 2 12/4/1970, XRD and petrographic. The
- ³ author, here we have Ashton and Miller.
- ⁴ Got it. Hammondsville mine. 38 core
- ⁵ samples. Tremolite actinolite fibrous
- 6 talc, correct?
- MR. LOCKE: Objection.
- MR. BICKS: Objection.
- 9 BY MR. PLACITELLA:
- 0. Is that fair?
- 11 A. That's not accurate.
- Q. Okay. Tell me what to take
- 13 out.
- 14 A. You described it as "the
- mine" as being the whole area where the
- company has been mining for Baby Powder.
- Q. No, I just said where they
- took it, the Hammondsville mine.
- 19 A. Yes, and what I'm saying to
- you is that you put the word
- "Hammondsville," which covers a large
- ²² acreage. And that would include areas
- that are not mined.
- Q. How do you want me to change

```
it? How do you want to change it?
```

- A. I think it's not very
- ³ relevant anyway. But I think what you
- 4 need to do to give it a bit more clarity
- is to say the whole picture, and you
- 6 can't just put that in one word. The
- ⁷ whole picture here is that you've got
- large acreage, some of which you are
- ⁹ going to use for mining baby powder, and
- others that you will say we'll avoid it.
- And what -- what we've done
- here with this report is to identify
- those areas that you can avoid, having
- done your diamond drilling, to actually
- say, well, we can find the pure talc for
- 16 Baby Powder.
- Q. Well, that's your
- interpretation. Do you have any
- 19 contemporaneous documents to back up what
- you say?
- MR. LOCKE: Objection.
- MR. BICKS: Argumentive.
- 23 BY MR. PLACITELLA:
- Q. I mean, do you?

- 1 A. The whole point of diamond
- ² core drilling over many acres is to
- ³ understand the total geology of the
- ⁴ picture.
- Okay. Let's just look at
- 6 this entry.
- All I'm saying is they
- 8 looked in the Hammondsville mine and they
- ⁹ found tremolite, actinolite and fibrous
- 10 talc.
- 11 A. No, they looked in the
- 12 Hammondsville area, the mine -- the mine
- wasn't actually in that area at that
- time. The mining area is bigger than
- just the Hammondsville mine.
- Q. Wait, wait, wait a second.
- 17 A. In 1970 it was operating --
- Q. It states, "The report deals
- entirely with the geology and ore
- reserves of the Hammondsville mine."
- It doesn't talk about area.
- A. Yeah, but the Hammondsville
- mine is -- covers an area that you're
- going to use and some that you're not

```
1
    going to use.
2
                  It says, "The Hammondsville
3
    mine." That's the only thing that I put
4
    up on the list. Hammondsville. Tell me
5
    how you want me to change the words.
6
                  I wouldn't put that up in
7
    the first place.
8
                  The point that I'm trying to
9
    make is that it's identifying areas in
10
    the mine that you can use and you could
11
    avoid.
12
                 Well, you already said that.
           Q.
13
                  MR. PLACITELLA: All right.
14
           Let's take a break.
15
                  THE VIDEOGRAPHER:
                                      Stand by.
16
           Please remove your microphones,
17
           please. The time is 3:06 p.m.
18
           going off the record.
19
                  (Short break.)
20
                  THE VIDEOGRAPHER:
                                      We are
21
           book on the record. The time is
22
           3:21 p.m.
23
                  (Document marked for
2.4
           identification as Exhibit
```

```
1
           J&J-256.)
2
    BY MR. PLACITELLA:
3
           Q. I'm going to give you what's
4
    been marked as 256. I don't know why
5
    these don't have Bates numbers.
6
                 This is -- I'm going to
7
    refer you to the third page of the
8
    document, which is a June 30th, 1971
9
    letter from Pattengill to Ashton.
10
                 Do you see that?
11
           Α.
                 Yes, yes.
12
                 Okay. And in this letter,
           Q.
13
    Pattengill, he's with the Colorado
14
    School, correct?
15
           Α.
                 Yes.
16
                 He -- he tells Ashton, that
17
    based upon x-ray defraction and
18
    microscopical analysis of Vermont
19
    finished product -- product plant run
20
    sample, that they found trace amounts of
21
    tremolite and actinolite, correct?
22
                 Yes.
                        It said sample 344-L,
           Α.
    and six monthly, only trace amounts of
23
    tremolite and actinolite. It's actually
24
```

- a hyphen, not "and."
- Q. Okay. And it says, "No
- other forms of non-talc minerals
- ⁴ approaching asbestos types were
- identified, correct?
- A. That is what is written.
- Okay. If you go to --
- 8 scroll down a little bit to the May 19,
- ⁹ 1971. Here, I can do it for you. Let me
- do it for you.
- A. We don't have a --
- O. Yeah, I know. This is how
- it was produced. I have no idea why
- there's no Bates number.
- This is a letter from
- Pattengill to Ashton, May 19, 1971. And
- he says, "The following are the results
- of x-ray diffraction analysis on six of
- 19 the monthly plant" -- "plant run talc
- samples."
- Do you see that?
- A. Yes.
- Q. And they find
- tremolite-actinolite in five of the six

```
samples, correct?
1
2
                  They reported, yes, they
           Α.
    reported that on five samples.
4
                 Okay.
           Ο.
5
                 MR. PLACITELLA: So can you
6
           put that up, Exhibit 256.
7
                  Are you ready or should we
8
           do one and come back.
9
                 Okay. We'll come back to
10
           that.
11
                 Give me Exhibit 19.
12
                  (Document marked for
13
           identification as Exhibit
14
           J&J-19.)
15
    BY MR. PLACITELLA:
16
           O. Exhibit 19 is a memo on
17
    Johnson & Johnson's letterhead from a
18
    Mr. Nashed. Who's he?
19
           A. He was a senior research
20
    scientist --
21
                 Mr. Foster. Who is he?
           0.
22
                 Mr. Foster was in the -- in
           Α.
23
    corporate headquarters in New Brunswick.
24
                 All right. And --
           Q.
```

- A. He was not a scientist.
- Q. Okay. Mr. Nashed knows what
- 3 he's talking about, correct?
- ⁴ A. Mr. Nashed was a scientist,
- 5 yes.
- O. Right. And he states, "The
- ⁷ talc used in Johnson's Baby Powder is
- 8 obtained from a selected mine in Vermont
- ⁹ where the ore consists mainly of platy
- talc with only trace amounts of fibrous
- minerals (tremolite/actinolite)."
- 12 Correct?
- 13 A. You read what was written.
- Q. Okay. He further says that
- three separate laboratories found fibrous
- minerals in the Vermont mine, correct?
- A. Which?
- MR. BICKS: I'm sorry.
- THE WITNESS: I can't see
- that paragraph.
- 21 BY MR. PLACITELLA:
- Q. See where it says, "The ore
- undergoes a careful purifying process"?
- ²⁴ A. Yes.

```
Q. Okay. Then he says, "The
```

- ² resulting talc has been shown by three
- independent consulting laboratories to
- 4 contain negligible traces of fibrous
- ⁵ minerals and no chrysotile fibers,"
- 6 correct?
- A. Yes. Negligible traces of
- ⁸ fibrous minerals, yeah.
- 9 Q. So he reports here that
- three separate independent laboratories
- 11 all found fibrous minerals in the talc
- used in Johnson's Baby Powder, correct?
- 13 A. He describes those fibrous
- ¹⁴ minerals. Yes.
- MR. PLACITELLA: Okay. Can
- we go back and put 256 in and 19.
- 17 (Document marked for
- identification as Exhibit
- J&J-256.
- 20 BY MR. PLACITELLA:
- Q. So 256 outlines the testing
- entity was Colorado, the test method was
- 23 XRD and PLM. It was six monthly plant
- run samples. And reported was five of

- six show tremolite/actinolite. And then
- I put in quotes from the document, "No
- other forms of non-talc minerals
- 4 approaching asbestos types were
- 5 identified." Fair?
- ⁶ A. That is what is written in
- ⁷ the cover letters.
- Okay. And then on 19, also
- ⁹ from the Colorado -- well, we have
- 10 Colorado school of mines. Is that the
- 11 testing entity? It doesn't really say.
- 12 A. It does. It actually says
- the resulting talc has been shown by
- three independent laboratories, asterisk,
- and then the asterisk is Colorado School
- of Mines -- turn the page -- McCrone, and
- 17 Dartmouth College.
- Q. Okay. So Colorado school of
- mines. Then we have to put McCrone and
- Dartmouth. And I put trace amounts of
- fibrous minerals, tremolite -- it should
- be not slash, but dash actinolite.
- MR. PLACITELLA: Lea.
- 24 BY MR. PLACITELLA:

- Q. Correct. No, it's slash.
- ² You're right.
- A. Yeah, it did say slash. But
- 4 that doesn't matter. I think the point
- ⁵ is that we talk about three independent
- 6 laboratories. The Dartmouth College
- ⁷ report's finding of no tremolite. And
- 8 I'm not sure what McCrone reports. It
- 9 doesn't say.
- 0. We --
- 11 A. But what they actually say
- in the text, and that's important, is
- that they contain negligible traces of
- 14 fibrous minerals. It doesn't actually
- define them as actinolite-tremolites.
- Q. Well, on the first one it
- does, the first paragraph?
- A. The first paragraph it does,
- 19 yes.
- 20 Q. Okay.
- A. But then when it goes on to
- talk about the three independent
- laboratories, it just describes as
- negligible traces of fibrous minerals.

- Q. Okay. So how do you want me
- ² to put it in there?
- A. I think that's separate.
- MR. PLACITELLA: Okay. Put
- 5 a semi colon and put that
- separate, Lea.
- ⁷ BY MR. PLACITELLA:
- 8 O. Give me 100.
- 9 (Document marked for
- identification as Exhibit
- J&J-100.
- 12 BY MR. PLACITELLA:
- 0. 100 is another memo written
- 14 from the Colorado School of Mines to
- Mr. Ashton, correct?
- A. Yes.
- Q. Okay. It talks about
- testing talc ore, five talc samples.
- 19 A. Yes.
- Q. Okay. And they use an x-ray
- diffraction and a separation method,
- 22 correct?
- A. Yes, they were evaluating a
- heavy liquid concentration method.

- Q. Right. And that was using a
- ² centrifuge, correct?
- A. That is my understanding,
- 4 yes.
- Okay. That's -- and the
- ⁶ purpose of that is really not that
- ⁷ different in principle than the
- benefaction (sic) process, right? What
- ⁹ the benefaction process does is it takes
- out -- it separates out contaminants, and
- this just further separates out
- 12 contaminants, correct?
- A. No. I think that's an
- oversimplification. Beneficiation, the
- point of that is to not be concerned
- about the contaminants, is to achieve a
- talc that has large clean plates that are
- 18 large and smooth --
- 0. Okay.
- A. -- and remove the bits, the
- dust, the sand that you don't want.
- Q. Well, what the Colorado
- 23 School of Mines did here is, they used a
- separation technique using a centrifuge

```
<sup>1</sup> right?
```

- A. They did, yes, yes.
- Q. And what they found was
- 4 tremolite, actinolite, they say slight
- ⁵ traces, correct?
- A. They use that word, yes.
- ⁷ Q. Okay. They find
- anthophyllite, correct, on the second
- ⁹ page?
- 10 A. They report that. Well,
- with a question mark. They weren't sure.
- 0. Okay. And then on the
- bottom where they say, "Relative to
- possible asbestos minerals, the above
- table shows that Samples 31-7-S and
- 30-B-71-S contain slight traces of
- tremolite/actinolite minerals," correct?
- 18 A. That's what they wrote in
- ¹⁹ 1973.
- Q. In the context of asbestos
- type minerals, correct?
- A. That's what they wrote, yes,
- ²³ in 1973.
- Q. And they also say that

- sample 32-71-S is suspected to contain
- very minor amounts of serpentine which
- may be chrysotile, correct?
- A. That's what they wrote. But
- ⁵ it was -- I'm trying to find that.
- 6 Sample, slight trace -- yeah. It's
- ⁷ suspected. And they go on to say more
- 8 studies need to be made. So they don't
- ⁹ confirm it. They say, if we want to
- confirm it, you have to do more studies.
- MR. PLACITELLA: All right.
- So can we put that one in, Lea.
- 13 Can you put it up. Make sure
- we're on the same page. I'll do
- one more from Colorado after this.
- 16 BY MR. PLACITELLA:
- 17 O. Here we have Colorado School
- of Mines, processed talc. They used a
- 19 centrifuge. Tremolite-actinolite, slight
- trace of anthophyllite and "asbestos-type"
- 21 materials."
- A. And I think in the interest
- of balance, they have used a question
- mark after anthophyllite because they

```
1
    weren't sure.
2
                  MR. PLACITELLA: Okay.
3
           We'll put a question mark. We're
4
           good. It's there already.
5
                  THE WITNESS: On the
6
           serpentine in the text, they
7
           actually say -- they don't really
8
           know. It may be. They've used
9
           the word "may," and it's
10
           recommended to conduct further
11
           studies --
12
    BY MR. PLACITELLA:
13
           O. Okay.
14
                 -- on that particular sample
           Α.
15
    to confirm the presence.
16
                  So, again, it has to be a
17
    question mark.
18
           O. So should I leave out
19
    chrysotile or put a chrysotile with a
20
    question mark?
21
                  I don't mind.
           Α.
22
                 MR. PLACITELLA: Put
23
           chrysotile with a question mark.
24
                                They've
                  THE WITNESS:
```

```
1
           described it as a serpentine.
2
           They don't actually use the
           word -- oh, they say it may be
3
4
           chrysotile. It is a serpentine
5
           but it may be chrysotile. But
6
           it's questionable.
7
    BY MR. PLACITELLA:
8
                  Okay. Last one for
9
    Colorado, and we'll go to a different
10
    place.
11
                  MR. PLACITELLA: 263.
12
                  (Document marked for
13
           identification as Exhibit
14
           J&J-263.)
15
    BY MR. PLACITELLA:
16
                  263 is another Colorado
17
    School of Mines Research Institute
18
    document. And the second page talks
19
    about a procedure to examine talc for the
20
    presence of chrysotile and
21
    tremolite-actinolite fibers.
22
                  Do you see that?
23
           Α.
                  Yes.
24
                  And the date of this is
           Q.
```

- 1 December 27th, 1973.
- ² A. Yes.
- Q. Do you see that?
- A. It is, yes.
- Okay. And here they're
- 6 talking about -- that the proposal is to
- ⁷ use this pre-concentration method because
- 8 without it, according to your advisors,
- 9 it's like looking for a needle in a
- 10 haystack, right?
- 11 A. Well, as with any research
- 12 establishments, they often come with a
- proposal and say we'd like to do this.
- 14 Here's a proposal.
- Q. Okay. And they said on Page
- 16 1 in the introduction, the reason that
- they were going to do that is because
- without it, it would be like looking for
- a needle in a haystack, right?
- MR. BICKS: Objection to
- 21 form.
- THE WITNESS: That's what
- they wrote back in 1973.
- 24 BY MR. PLACITELLA:

- Q. Okay. And the objective was
- to develop a procedure to screen talc for
- the presence of chrysotile and/or
- ⁴ tremolite-actinolite asbestos minerals,
- ⁵ correct?
- ⁶ A. Yeah. They are trying to
- ⁷ evolve a method and procedure which does
- ⁸ a pre-concentration.
- 9 Q. Right. And method was again
- on Bates Number 204 using a centrifuge,
- 11 correct?
- A. Yes.
- 0. All right. And what they
- report on 211, is they sent a letter to
- Mr. Ashton on December 21, 1973, where
- they identify chrysotile in the Vermont
- talc, correct?
- 18 A. Now, I need to read the
- ¹⁹ report first.
- Q. Sure.
- A. I don't see where they
- identified it in the -- in the Vermont
- talc. They are doing the study where
- they claim to find it. But the normal

- 1 process is that you deliberately add 1
- percent or 2 percent or whatever to see
- ³ if you can find it.
- Q. Well, look at -- look at
- ⁵ Bates Number 211. I highlighted it for
- ⁶ you? Here it says, "A letter report
- ⁷ dated December 21, 1973, from WP Reid to
- 8 WH Ashton. On the examination of Italian
- ⁹ and Vermont talc, identified chrysotile
- at a level of less than 10 parts per
- million in the Vermont sample." Correct?
- 12 A. Okay. Where are you
- 13 reading, which line or -- the top half of
- the page?
- Q. I blew it up, right in the
- ¹⁶ middle.
- 17 A. I see it. Let me read it
- 18 now.
- 0. Sure.
- A. That's what's written there.
- Whether that was ever a validated or
- proven, it certainly -- they claim it was
- less than 10 parts per million.
- Q. But that's what was

- ¹ reported?
- A. If they found it at all, it
- would be less than 10 parts per million.
- Q. I'm not saying if they found
- ⁵ it at all. That's what's written as
- ⁶ reported, correct?
- A. I need to see that letter
- 8 again to -- do we have that letter. We
- ⁹ just looked at that letter?
- 0. Well, that's -- that's kind
- of the problem. I can't find the letter.
- 12 I'm looking at the report. I mean,
- that's what's reported in the report?
- A. Okay. Let's take a step
- back. When you're developing a method
- it's not unusual to deliberately spike
- your product, in this case talc, with --
- Q. Excuse me, sir, I don't mean
- 19 to cut you off. But there's no question
- about that. All I'm asking you is
- reported here states that they found
- chrysotile in Vermont talc at less than
- ten parts per million. That's what's
- stated. It doesn't say anything about

- spiking, correct?
- A. It does not, no.
- Q. Okay.
- ⁴ A. It says, "Identified at a
- ⁵ level of less than 10 parts per million."
- Okay. Thank you. Now, when
- you testified recently in St. Louis, do
- you remember that experience?
- ⁹ A. I remember testifying in St.
- 10 Louis, yes.
- 0. Mr. -- do you remember
- 12 Mr. Lanier. He was asking you questions?
- 13 A. I remember him, yes.
- Q. He -- you testified in
- 15 St. Louis, that a Dutch consumer group
- found asbestos in baby powder. Do you
- 17 recall that?
- 18 A. I remember there was a
- document presented which claimed that a
- Dutch consumer group claimed that they'd
- found asbestos in baby powder.
- Q. And you saw that in front of
- the jury on the witness stand, correct?
- A. I do remember seeing that,

```
1
    yes.
2
                 I couldn't find it. That's
           Ο.
    why I was asking you the question.
4
                 MR. PLACITELLA: Can we go
5
           back and put 263 in. And -- did
6
           you put that in already? And how
7
           about just "Dutch consumer group
8
           found asbestos, " and we'll give it
9
           to Mr. Lanier. How's that?
10
                 THE WITNESS: The Dutch
11
           consumer claimed to have found
12
           asbestos.
13
                 MR. PLACITELLA: Oh, we'll
14
           put -- so let's just go to the
15
           first one. 263. Colorado School
16
           of Mines, Vermont talc samples,
17
           they used a centrifuge. And it
18
           states, "Identified chrysotile at
19
           a level of less than ten parts per
20
           million in the Vermont sample."
21
    BY MR. PLACITELLA:
22
                 That's a quote, correct?
           Ο.
23
                 It is a quote. But in
           Α.
24
    isolation, it doesn't tell us whether it
```

```
1
    had been deliberately added as part of
2
    the method development when you were
    looking to see how effective that method
4
    could be. Okay. That's the point I'm
5
    making. Is that --
6
           O. But --
7
           A. -- on its -- -
8
           Q. But that's your opinion,
9
          There's nothing -- there's no
    sir.
10
    contemporaneous document that you can
11
    point to to say that's just you injecting
12
    your opinion to try to change the facts,
13
    right?
14
                 MR. LOCKE: Objection.
15
                 MR. SILVER: Objection.
16
                 MR. BICKS: I mean, I take
17
           it you're telling us you haven't
           looked at this underlying document
18
19
           when you're asking those
20
           questions.
21
                 MR. PLACITELLA: I'm
22
           saying -- I'm asking you what's
23
           reported here.
24
    BY MR. PLACITELLA:
```

- Q. Have you seen this document,
- ² sir?
- A. I have seen this document.
- ⁴ Q. Right.
- 5 A. When I look at this
- 6 document --
- 7 Q. I'm talking about the
- ⁸ December 21st, 1973 report to Mr. Ashton.
- ⁹ It doesn't say anything here in this
- 10 report about injecting asbestos or
- 11 spiking or anything else.
- 12 A. But in --
- Q. You know what, I'm not going
- to fight with you. I'll withdraw the
- 15 question.
- A. Okay.
- MR. PLACITELLA: Okay. Can
- we put in the next line --
- 19 BY MR. PLACITELLA:
- Q. Just leave it blank. Do you
- 21 know about what time the Dutch consumers
- found -- do you remember what year it
- ²³ was?
- A. I can't remember.

```
1
                 MR. PLACITELLA: So we'll
2
           just leave it blank. Put testing
3
           entity, Dutch consumers. We'll
4
           put -- and put over on test
5
           revealed, put Baby Powder as the
           product. That was the product.
6
7
           That's it. And just put asbestos.
8
                 MR. BICKS: Objection.
9
                 THE WITNESS: I think in the
10
           interest of fairness, it should be
11
           claimed to have found asbestos.
12
                 MR. PLACITELLA: Claimed to
13
           have found asbestos.
14
                 THE WITNESS: Thank you.
15
    BY MR. PLACITELLA:
16
                 Okay. Now give me 47.
           0.
17
                  (Document marked for
18
           identification as Exhibit
19
           J&J-47.
20
                  (Document marked for
21
           identification as Exhibit
22
           J&J-49.)
23
    BY MR. PLACITELLA:
24
           Q. Exhibit 47 --
```

```
1
                 MR. PLACITELLA: Okay.
2
           Exhibit 47 -- oh, somebody is
3
           going to ask me what the Bates
4
           number is. I -- it's covered.
5
           Sorry.
6
    BY MR. PLACITELLA:
7
                 This is a June 6, 1973,
8
    Johnson & Johnson letter to Mortimer,
9
    Miller. Is that Roger Miller?
10
                 It's a guess. It's more
           Α.
11
    than likely to be Roger Miller.
12
                 R. Miller. And cc'd is
           Ο.
13
    Mr. Ashton?
14
           A. Yes.
15
             And it's from a
16
    Mr. Petterson at Johnson & Johnson,
17
    correct?
18
           A. Yes.
19
                 All right. And he talks
20
    about the concentration technique that
21
    your consultant Dr. Pooley was using,
22
    correct?
23
           A. He's written that in the
24
    letter, yes.
```

- 1 Q. All right. And the
- ² concentration technique that Dr. Pooley
- was using was not unlike that was used by
- ⁴ Colorado, which is he used a centrifuge,
- 5 correct?
- 6 A. He's used more than one
- ⁷ looking back through the correspondence,
- ⁸ he had more than one test methodology.
- ⁹ He was using a flotation method at one
- point and centrifuging. Another
- technique he had was to use a cationic
- material that would -- a positively
- 13 charged chemical.
- And so he's done more than
- one type. So I'm not sure which one --
- which test method it is. But it's
- described as a concentration technique.
- Q. Okay. So, and he states
- that Shelley -- who is Shelley?
- A. He was a research scientist
- in baby products company.
- Q. "Shelley reports that Pooley
- found actinolite in our Vermont talc
- using his concentration technique,"

```
1
    correct?
2
                  That's what is written in
3
    this memo, yes.
4
                  MR. PLACITELLA: Put that
5
                That's Exhibit 47.
           in.
6
    BY MR. PLACITELLA:
7
                 We have 1973, the testing
           0.
8
    entity was Cardiff, correct?
9
           Α.
                  Yes.
10
           Q. The author is Dr. Pooley,
11
    right?
12
           A. Yes.
13
           O. He used a concentration
14
    technique and he found actinolite,
15
    correct?
16
           A. That is what is written in
17
    that memo.
18
                 Okay.
           Q.
19
                  MR. PLACITELLA: Can you put
20
           in as a recipient, Ashton.
21
    BY MR. PLACITELLA:
22
                 He's one of the recipients,
23
    correct?
24
           Α.
                  Yes.
```

```
1
                 MR. PLACITELLA: Okay. Give
2
           me 141.
3
                  (Document marked for
4
           identification as Exhibit
5
           J&J-141.)
6
    BY MR. PLACITELLA:
7
                  141 is another report -- I
           0.
8
    shouldn't say another report.
9
                 A report from the University
10
    of Cardiff dated January 25th, 1977,
11
    correct?
12
           A. Yes.
13
           Q. And it's authored by
14
    Dr. Pooley, correct?
15
           Α.
                 Yes.
16
                 He was working for you at
17
    the time, correct?
18
              Well, he's -- he is a
           Α.
19
    university professor. He did contract
20
    projects, yes.
21
                 Right. And what he did is
22
    he tested a composite sample that you
23
    supplied to him, correct?
24
           Α.
                  Yes.
```

- Q. From Vermont, correct?
- A. Well, it's a composite
- 3 sample. I don't know where it came
- 4 from --
- ⁵ Q. Yeah, well, look at the
- 6 bottom here.
- A. -- if it's from this --
- 9 Q. I'll blow it up.
- ⁹ A. Unless there's more detail.
- Q. Do you see where it says
- 11 Vermont composite sample? I blew it up
- 12 for you.
- 13 A. Okay. Yes, I can see that
- 14 now.
- Q. And what he found was fibers
- of antigorite, correct?
- 17 A. That's what he wrote, yes.
- MR. PLACITELLA: Okay. Can
- we put that up, Lea.
- 20 BY MR. PLACITELLA:
- Q. Okay. And here we have Dr.
- Pooley, Cardiff, he used XRD for Vermont
- composite. He found fibers of
- ²⁴ antigorite, correct?

```
1
                  He has reported that in this
           Α.
2
    memo.
3
                  MR. PLACITELLA: Okay. Give
4
           me 28.
5
                  (Document marked for
6
           identification as Exhibit
7
           J&J-28.)
8
    BY MR. PLACITELLA:
9
                  I know you've seen some of
10
    these before, but I'm sorry. I have to
11
    go through it. This one is an August 3,
12
    1972 letter from Dr. Lewin.
13
                  You know that Dr. Lewin was
14
    a consultant hired by the Federal Food
15
    and Drug Administration, correct?
16
           Α.
                 Yes.
17
                 Okay. And you've seen this
18
    document before?
19
           Α.
                  Yes.
20
                  Okay. And you know that
           Ο.
21
    Dr. Lewin reported to the Food and Drug
22
    Administration that he found chrysotile
23
    asbestos in Shower to Shower, correct?
24
                  He claimed to have found it,
           Α.
```

- 1 although that was not confirmed later,
- 2 but that's what he wrote in this memo.
- Q. All I'm going to is what he
- 4 reported.
- ⁵ A. He reported in this memo,
- 6 his 19 -- sorry, 1972 memo, he reported
- ⁷ his findings.
- MR. PLACITELLA: Can we put
- that in, Lea, please.
- 10 BY MR. PLACITELLA:
- 11 O. I have here that he worked
- 12 for NYU at the time, correct?
- 13 A. Yes. New York University.
- Q. You have the author as
- ¹⁵ Dr. Weissler.
- MR. PLACITELLA: That's not
- correct. It should be flipped.
- 18 BY MR. PLACITELLA:
- 19 Q. Used XRD, Shower to Shower,
- 5 percent chrysotile, correct?
- A. That's what he claimed.
- MR. PLACITELLA: Okay. Now
- 23 give me 58.
- 24 (Document marked for

```
identification as Exhibit
```

- 2 J&J-58.)
- 3 BY MR. PLACITELLA:
- Q. 58 you have seen before.
- ⁵ It's a March 1974 report?
- A. I remember. I've seen that.
- 7 Q. Concerning Dartmouth
- 8 College, correct?
- ⁹ A. Yes, I've seen this before.
- 10 Yes.
- 11 Q. And the subject is analysis
- of talc products and ores for asbestiform
- amphiboles, correct?
- 14 A. That is the subject, yes.
- Q. All right. And the purpose
- of the study, according to this, is to
- develop methods for measuring the
- concentration of asbestiform amphiboles
- in fine-grained talc products and ores,
- 20 correct?
- A. Yes, it was an experiment
- that they were doing in 1974.
- Q. Similar to the Colorado
- School of Mines, they were urging you to

```
1
    use a pre-concentration method that
2
    included a centrifuge, correct?
3
                 MR. BICKS: Objection to the
4
           form.
5
                  THE WITNESS: I don't
6
           believe they're urging the
7
           company. What they're offering is
8
           a study to develop methods and
9
           methodologies that can be
10
           evaluated.
11
    BY MR. PLACITELLA:
12
                 And according to Page 2, the
13
    method they're proposing is using a
14
    centrifuge, correct?
15
           Α.
                 Yes.
16
           Q. Okay. And what they looked
17
    at was talc ore that was provided by
18
    Windsor Minerals, correct? Ground talc
19
    product from the talc ore, correct?
20
    Actually they looked at the talc product
21
    and the talc ore, correct?
22
                 They looked at talc ores and
           Α.
23
    talc property, yes. Yes.
24
                 Okay. On Page 6 -- scratch
```

- ¹ that. Let me just go to the next page.
- What they found in their conclusions was
- that the ore sample contained 2,300 parts
- ⁴ per million actinolite and the talc
- 5 product contained 170 parts per million
- 6 actinolite, correct?
- A. Well, that's because they
- 8 added it. It says on Page 5, "In
- 9 addition talc ore was spiked with known
- amounts of actinolite ground in size."
- And then they they've got to see if they
- can find it having spiked the talc.
- 0. What they reported in their
- 14 conclusions is the ore contains
- 2,300 parts per million actinolite and
- the talc product contains 170 parts per
- million actinolite, correct, that's what
- they report in their conclusion?
- MR. SILVER: Objection.
- THE WITNESS: Yes, but they
- deliberately added on Page 5 --
- that's my read of this that they
- added known amounts of actinolite.
- And that's a standard process when

```
1
           you're looking -- see could you
2
           find actinolite, you add it and
3
           see if you can find it. That, to
           my mind, when I read this, that
4
5
           appears to be what they did.
6
    BY MR. PLACITELLA:
7
                 Sir, remember --
           0.
8
                 They were able to find it.
           Α.
9
                 Remember I told you that I
           0.
10
    don't want your expert opinions. You're
11
    not an expert. I want to know what was
12
    reported. Give me what was reported.
13
                 MR. BICKS: He can read the
14
           document. You just flashed it up
15
           there highlighted it, and took it
16
           down.
17
                 MR. PLACITELLA: Read to
18
           me -- I won't take it down.
19
    BY MR. PLACITELLA:
20
                 "Conclusions, the ore
           0.
21
    samples contain 2,300 parts per million
22
    actinolite. And the talc product
23
    contains 170 parts per million
    actinolite. 3, actinolite is the
24
```

- dominant fiber-form amphibole in the ore
- and talc product provided by Windsor
- ³ Minerals. Small amounts of anthophyllite
- 4 may be present. That's what they report
- 5 here, correct?
- A. You can't just take one
- ⁷ conclusion sentence in isolation.
- 8 The whole point of this
- 9 report, if we look at it in its full
- context, talks about how -- in the
- 11 results, samples were spiked with
- 12 actinolite, were separated and analyzed.
- 13 Then they present the results. And then
- the results, as you read out, was that
- yes, they found it.
- O. And what they said, they
- found it in the ore that was -- and the
- product that was provided by Windsor
- 19 Minerals, correct? That's what they
- 20 said?
- MR. SILVER: Objection.
- THE WITNESS: The ore in the
- product was provided by Windsor
- Minerals. And as it says in the

```
1
           results, just the top of Page 6,
2
           "Samples of ore, an ore spiked
3
           with actinolite, were analyzed and
4
           described above." So they showed
5
           they can find it when they
6
           deliberately added it.
7
    BY MR. PLACITELLA:
8
           Q. Sir, I'm not going to debate
9
    the science with you. You know what
10
    happens here. What they do is they add
11
    in a product, and then they see what
12
    percentage -- you know that that's not
13
    what happened here. So let's just talk
14
    about what is reported. And we'll fight
15
    about, at trial, what it means.
16
                 MR. SILVER: Objection.
17
    BY MR. PLACITELLA:
18
           Q. What they report here, sir,
19
    is that in the Windsor product and ore,
20
    they found fiber-form amphibole, which
21
    was actinolite. That's what it states,
22
    correct?
23
                 MR. LOCKE: Objection.
24
                 MR. BICKS:
                              Objection to the
```

```
1
           form.
2
    BY MR. PLACITELLA:
3
           Q. That's what it states?
           A. Conclusion 2. "The other
4
5
    samples contain 2,300 parts per million
6
    of actinolite. And the talc product
7
    contains 170 parts per million
8
    actinolite.
9
           Q. Conclusion 3, read
10
    Conclusion 3?
11
                 "Actinolite is the dominant
12
    fiber-form amphibole in the ore in the
13
    talc product provided by Windsor
14
    Minerals." But what I'm trying --
15
           Q.
                 But -- but -- sir --
16
                 MR. BICKS: You just want us
17
           to read it.
18
    BY MR. PLACITELLA:
19
           Q. You read it.
20
           A. I read it.
21
                 That's fine. Thank you.
           0.
22
                 MR. PLACITELLA: Can you go
23
           to the chart. I want to put a
24
           note next to it, okay, so we are
```

```
1
           all on the same page.
2
    BY MR. PLACITELLA:
3
                 Dartmouth College. "The
4
    purpose was to develop methods for
5
    measuring the concentration of
6
    asbestiform amphiboles, it was a talc
7
    product and ore. There was ore in the
8
    product. They used a centrifuge and they
9
    reported actinolite and talc products
10
    contains 170 parts per million
11
    actinolite, small amounts of
12
    anthophyllite may be present.
13
                  MR. PLACITELLA: And we'll
14
           put next to it, put in the next
15
           category, "Dr. Hopkins has issues
16
           with spiking in terms of
17
           conclusions."
18
    BY MR. PLACITELLA:
                  Is that fair?
19
           0.
20
                  MR. BICKS: Objection to the
21
           form.
22
                  MR. LOCKE: Objection.
23
    BY MR. PLACITELLA:
```

Q.

24

Tell me what you want me to

```
<sup>1</sup> write there?
```

- A. I have issues with the
- 3 conclusions in the context that the study
- 4 involved spiking.
- MR. PLACITELLA: Okay. So
- let's just put he has issues with
- ⁷ the conclusions.
- 8 THE WITNESS: With the
- 9 reason, please.
- 10 BY MR. PLACITELLA:
- 0. Okay. So you believe, just
- so we know, that the conclusions mean
- that it was spiked and never found in the
- ¹⁴ ore?
- 15 A. That was not clear from the
- 16 report.
- ¹⁷ Q. Okay.
- 18 A. The whole purpose of that
- 19 report was to develop methodologies. And
- when you develop methodologies, it is the
- usual, to deliberately add 1 percent or
- whatever it may be, to say can I find it.
- That is not clear from that
- conclusion. It doesn't say we added 1

- percent and we found it. It's a study
- where they deliberately spike, and then
- they say we found it in the conclusion.
- Q. Okay.
- 5 A. So it's not entirely clear.
- O. Okay. But it certainly
- 7 doesn't say we found anthophyllite --
- 8 actinolite -- fibrous actinolite because
- ⁹ we spiked it. It doesn't say that right?
- We know that's not what it says?
- MR. LOCKE: Objection.
- MR. BICKS: Object to the
- form.
- THE WITNESS: It doesn't --
- 15 BY MR. PLACITELLA:
- Q. Now, they spiked this with 1
- percent, right?
- A. I don't know. Does it say
- one percent?
- Q. Isn't that what you said?
- A. What I said is it's often
- usual to spike with 1 percent, or
- whatever it may be.
- Q. You don't know how much they

- spiked it with?
- A. It doesn't make it clear in
- ³ that report. I need to look at it in
- ⁴ great detail. But they do say they spike
- ⁵ it. So that was the point that I'm
- 6 making, is that when we have a
- 7 conclusion, we need to see it in the
- 8 total context.
- 9 O. I understand that.
- 10 A. Total context is, are they
- measuring what they spiked or were they
- 12 not measuring what they spiked. It's not
- 13 clear.
- 0. Okay. Nowhere in the
- conclusion does it say that when we found
- the fibrous actinolite, we found it
- because it was spiked, that's absent from
- the conclusion, correct?
- 19 A. It's absent from the
- conclusion.
- 0. Okay. Thank you.
- A. But you've got to see the
- whole context of the whole report.
- MR. PLACITELLA: Okay. Give

```
1
           me 29.
2
                  (Document marked for
3
           identification as Exhibit
4
           J&J-29.)
5
    BY MR. PLACITELLA:
6
                 29 is an August 24, 1972 --
           0.
7
                 MR. PLACITELLA: Sorry, did
8
           I give you have a copy? Sorry. I
           apologize.
9
10
    BY MR. PLACITELLA:
           Q. -- memo from Mr. Nashed to
11
12
    Mr. Fuller. And the title is,
13
    "Talc/asbestos Shower to Shower talc,"
14
    correct?
15
           A. Yes.
16
           Q. Okay. And on the back,
17
    you -- it's copied to a whole bunch of
    scientists and executives at Johnson &
18
19
    Johnson, correct?
20
                 Yes, there are.
           Α.
21
                 And what this document talks
22
    about is the testing that was done
23
    initially by Dr. Lewin, correct?
24
                 Yes. It's a follow-up.
           Α.
```

- ¹ Yeah.
- Q. And what happened then was
- that after Dr. Lewin ran the test, the
- ⁴ FDA sent out the test to another
- ⁵ laboratory known as Sperry Rand, correct?
- A. Well, I don't know whether
- ⁷ FDA sent the sample. But Sperry Rand
- 8 reported on it, yes.
- 9 Q. All right. And what's
- 10 reported here by your senior scientist is
- 11 as follows:
- "The report from Sperry Rand
- was that asbestos fibers could be
- detected in the sample." Correct?
- 15 A. That is what is written.
- Q. "Dr. Weissler" -- he's from
- the FDA, correct?
- 18 A. He is, yes.
- 0. -- "said that he has in
- 20 front of him photographs of six fields at
- 12,000X magnification showing fibers with
- length, width -- width and length
- ²³ ratios."
- Do you see that?

- A. Yes.
- Q. Okay. The next paragraph
- ³ talks about a conversation that
- ⁴ Mr. Nashed had with Dr. Weissler at the
- ⁵ FDA.
- Do you see that?
- ⁷ A. Yes.
- 8 O. And what Dr. Weissler told
- 9 Mr. Nashed is Sperry Rand is experienced,
- and they do a lot of work with
- 11 chrysotile, correct?
- 12 A. That's what he stated.
- Q. Right and he says, "The man
- at the FDA reported to Mr. Nashed that
- the scientists at Sperry Rand are
- 16 conservative and would not have reported
- chrysotile unless he was true" -- "unless
- he was sure." Correct?
- 19 A. You read what was written.
- Q. All right. He said, "I
- asked him if he was" -- "if he has
- assured himself that the fibers were not
- tremolite which could be present in trace
- 24 amounts. He said the fibers are

- 1 characteristic of chrysotile and not
- ² tremolite."
- Did I read that correctly?
- ⁴ A. You read what was written.
- Okay. And that's what was
- 6 reported to all these executives at
- ⁷ Johnson & Johnson in August 1972,
- 8 correct?
- 9 A. That's -- that's reported to
- those people, yes.
- 0. Okay. So I put down there
- "8/24/1972, Sperry Rand hired by the FDA.
- 13 The author of this memo was Mr. Nashed.
- 14 FDA submits Lewin sample. It's Shower to
- 15 Shower. Asbestos fibers could be
- detected in the sample, reported
- 17 chrysotile."
- That's what it states,
- 19 correct?
- A. It does, except I'm not sure
- that FDA hired Sperry Rand. I don't see
- that here, sir.
- MR. PLACITELLA: Okay.
- We'll take out hired.

```
1
                  THE WITNESS: Yeah.
2
                 MR. PLACITELLA: Okay. Give
3
           me 71.
4
                 Give me 258.
5
                  (Document marked for
6
           identification as Exhibit
7
           J&J-258.)
8
    BY MR. PLACITELLA:
           Q. 258. I'll put it up.
9
10
                 MR. BICKS: Do you have a
11
           copy of it?
12
                 MR. PLACITELLA: It's big so
13
           I didn't -- I'm happy to come back
14
           to it if you need time to look at
15
           it. I'll do another one. Totally
16
           up to you.
17
                 Just make a note, Lea.
18
           We'll come back to that. Give
19
           that one to Peter because he's --
20
                 MR. BICKS: No, I'm familiar
21
           with it.
22
                 MR. PLACITELLA: Okay. He
23
           knows it. Let's deal with it.
24
    BY MR. PLACITELLA:
```

- Q. So 258 is a September 6,
- ² 1973 project from a project manager, a
- ³ John Stuart. Who is John Stuart?
- A. My read of this is it's
- 5 someone at FDA.
- Q. Okay.
- A. But I'm not sure.
- Q. Okay. Have you ever seen
- ⁹ this before?
- 10 A. I've seen something similar.
- 11 I think this is an FDA document.
- Q. Right. And the objective
- here is, "To develop one or several
- 14 methods of sufficient sensitivity and
- 15 reliability, which will permit the
- determination of asbestos and other
- contaminants in talc-containing
- 18 products."
- Do you see that?
- A. I do, yes.
- Q. Because they may
- potential -- present a potential hazard,
- ²³ right?
- A. That was the discussion back

```
1
    in '73, yes.
2
                 Right.
           Q.
3
           A. Test methods.
4
                 And what he did is he went
           0.
5
    and he got the samples that were tested
6
    by Dr. Lewin, correct?
7
                 Without reading the whole
           Α.
8
    report, if you can point me to which --
9
                 So it's the, "200 commercial
10
    cosmetic talc samples will be tested for
11
    asbestos by refraction." He talks about
12
    testing the Lewin samples right under the
13
    description of work.
14
                 Yes, he does.
           Α.
15
                 MR. SILVER: Note Imerys'
16
           continuing objection. I have a
17
           standing objection. This document
18
           says it's for aerosols and air
19
           preparations.
20
                 The scope of this deposition
21
           is supposed to be related to
22
           Johnson's Baby Powder.
23
                 MR. PLACITELLA: I'm going
24
           to get there.
```

- MR. SILVER: Okay.
- ² BY MR. PLACITELLA:
- Q. And if you go to -- where it
- 4 says Project Number 0069.
- ⁵ A. Yes.
- Q. Okay. And you see on the
- ⁷ bottom?
- MR. BICKS: 00679.
- 9 BY MR. PLACITELLA:
- Q. Right. That it the project
- manager signature is John Stuart.
- Do you see that?
- 13 A. Yes.
- Q. And the program manager is
- 15 Heinz Eirmann. He worked for the FDA,
- 16 correct?
- A. He did, yes.
- Q. Okay. And on the next page
- 19 he talks about looking at Sample 84 from
- the Lewin samples.
- Do you see that?
- A. Yes.
- Q. You know Sample 84 was a
- Johnson & Johnson product, correct, from

- the Lewin samples? You remember that?
- A. Yeah, I don't remember it.
- ³ But I'll take your word for it.
- Q. Okay. It was in Exhibit 28.
- 5 Do you see where it says example
- ⁶ number -- "Sample Number 84 contained
- ⁷ fibers of tremolite/actinolite"?
- 8 A. Yeah, I can read what is
- ⁹ written. Yes. Okay. What they are
- quoting is Dr. Lewin's report though, as
- of 12/21/73. Samples, Dr. Lewin's
- 12 identification. And then he describes
- what my read of that is, what Dr. Lewin
- 14 found.
- ¹⁵ Q. Okay.
- A. He's reporting Dr. Lewin's
- comments, not FDA's comments.
- Q. Okay. And the process that
- they are examining here is again a
- pre-concentration process, correct?
- A. I'm aware they were working
- on a concentration method, yes.
- ²³ Certainly aware of that.
- MR. PLACITELLA: Can you

```
give me Exhibit 33, please.

Document marked for
```

- identification as Exhibit
- 4 J&J-33.)
- 5 BY MR. PLACITELLA:
- Q. Exhibit 33 is a report from
- ⁷ the University of Minnesota Space Science
- 8 Center. You've seen this before,
- 9 correct?
- 10 A. Yes.
- Q. And the University of
- 12 Minnesota is that someone that Johnson &
- Johnson hired to look at the samples that
- were tested by Dr. Lewin, correct?
- A. No. Not correct, no. My
- understanding is that they were requested
- by, I think it was RJ Lee to maybe
- 18 McCrone -- McCrone, sorry -- to examine.
- 19 But it was not Johnson & Johnson.
- Q. All right. Well, you hired
- McCrone, and McCrone hired them, right?
- A. Well, McCrone asked them for
- 23 some input.
- Q. Right. And they issued this

```
1 report, which eventually made it to your
```

- headquarters, correct?
- MR. BICKS: Objection to the
- 4 form.
- 5 THE WITNESS: Obviously if
- it's in the J&J files, then it
- 7 would have made it to Johnson &
- Johnson.
- 9 BY MR. PLACITELLA:
- Q. Okay. And what they did is,
- if you look at the very beginning, is
- they looked at specimens of powdered talc
- that were received from you and McCrone
- and did an analysis to determine whether
- the samples contained chrysotile
- 16 asbestos, correct?
- 17 A. They -- they reported their
- 18 findings on x-ray diffraction. I think
- 19 it was here. They reported their
- findings.
- O. All right. And --
- A. I need to read this to find
- out what processes they used, what
- methods they used.

- Q. Well, go to Page 3 of the
- ² report.
- A. Well, they used scanning
- 4 electron microscope.
- ⁵ Q. They also used TEM, correct?
- A. They used TEM, yes.
- Q. Right. And when they looked
- 8 at your samples using TEM, they found
- 9 numerous examples of fibrous material,
- 10 correct?
- 11 A. They found -- three examples
- of fibers, which upon examination by
- electron diffraction could be classified
- 14 as likely candidates of chrysotile
- 15 asbestos.
- So it was -- it's -- the
- wording is a little nebulous. It could
- be classified, but it's what is written.
- 19 Q. In the Shower to Shower
- material, correct?
- A. They say "candidates that
- 22 could be classified."
- Q. So in the Shower to Shower
- material and the Lewin material, correct?

- 1 So they looked at your samples, and they
- looked at Lewin's samples and they --
- ³ under TEM, and they said that they were
- 4 likely candidates for chrysotile
- 5 asbestos, correct?
- MR. BICKS: Objection.
- THE WITNESS: Well, I don't
- 8 know whether they looked -- I
- don't know whose they looked at.
- 10 It just says that they looked at
- the Lewin samples.
- 12 BY MR. PLACITELLA:
- 0. No. Look at it. It says,
- "Of the large number of grids examined,
- three examples of fiber upon which
- examination by electron diffraction could
- be classified as likely candidates for
- 18 chrysotile asbestos in the Shower to
- 19 Shower material and one example was found
- in the Lewin material," correct?
- A. You read what was written.
- 22 Yes.
- O. Okay. And then on the next
- page. They report that the electron

- ¹ micrographs showed a typical appearance
- of chrysotile asbestos, correct?
- A. Well, that's what they've
- 4 written. But they don't have the ability
- 5 to spell chrysotile properly. But
- 6 they've written electron micrographs show
- ⁷ the typical appearance of chrysotile
- 8 asbestos.
- 9 Q. Well, they do more than
- that. They say, do they not, "It is
- 11 felt, therefore, that chrysotile asbestos
- does exist in the specimens of Shower to
- 13 Shower and Lewin supplied to this
- laboratory, correct?
- 15 A. That is what is written.
- 16 Yes.
- MR. PLACITELLA: Can we --
- go to the next one, yep.
- 19 BY MR. PLACITELLA:
- Q. Here we have University of
- Minnesota, Shower to Shower, chrysotile,
- ²² "Chrysotile asbestos does exist in the
- specimens of Shower to Shower." Correct?
- That's what's reported?

- 1 You read what is written in Α. 2 that Minnesota report. 3 Okay. In 1971, are you 4 aware that Dr. Langer tested Johnson's 5 Baby Powder and found chrysotile 6 asbestos? 7 He claimed to have found Α. 8 chrysotile asbestos by the methods he was 9 using at the time. Yes. 10 So let me ask the question 0. 11 this way. 12 In 1971, Dr. Langer of the 13 Mount Sinai School of Medicine reported 14 to Johnson & Johnson that the Johnson's 15 Baby Powder contained chrysotile 16 asbestos, correct? 17 MR. BICKS: Objection to the 18 form. 19 THE WITNESS: I would need
- to see the actual report.
- MR. PLACITELLA: Give me 17.
- I was trying to speed this up.
- But I guess not.
- 24 (Document marked for

```
1
           identification as Exhibit
2
           J&J-17.)
    BY MR. PLACITELLA:
4
              Exhibit 17 is a -- it's JNJ
           0.
5
    and it ends with 6743.
6
                  It discusses a meeting that
7
    you had with Dr. Langer on July 9th,
8
    1971, correct?
9
                 It does, yes.
           Α.
10
                 Okay. And what Dr. Langer
           0.
11
    was asked to do was to look at tissue
12
    samples from a study that was done in
13
    Europe where they found talc in the
14
    women's ovaries?
15
                 It said uterus -- it says
16
    uterus here.
17
           Q. Right.
18
                 It's -- yeah.
           Α.
19
                 And that was something that
           0.
20
    he was actually doing for you, right?
                                             Ι
21
    mean, you know this story.
22
                  MR. BICKS: Langer?
23
           Dr. Langer.
24
                  MR. PLACITELLA: Yeah.
```

```
1
    BY MR. PLACITELLA:
2
                 Right.
           Q.
3
                  MR. BICKS: Objection to the
4
           form.
5
                  THE WITNESS: I don't know
6
           who -- whether he was doing it --
7
           whether he was doing it for the
8
           operation, the Tenovus Institute
9
           which is in Wales. They are the
10
           ones who found it.
11
                  My reading here is that --
12
           it says, "The express purpose was
13
           to observe the preparation of
14
           tissue from the Tenovus Institute
15
           for electron microscope
16
           examination."
17
                  So that doesn't exclude the
18
           possibility that the Tenovus
19
           Institute, the scientists there,
20
           were dealing directly with
21
           Dr. Langer.
22
    BY MR. PLACITELLA:
23
           Q. Okay. So how did you get a
24
    meeting then with Dr. Langer then if he
```

- was dealing with them?
- A. Well, I think the answer is
- if you go onto the next section, he's
- 4 looking at Johnson's Baby Powder. That's
- on Page Bates Number 45.
- Q. Right. So he was, one,
- ⁷ looking at the women's ovaries, correct?
- ⁸ A. It says uterus here.
- 9 Q. And what he did is he found
- chrysotile asbestos in the -- in the
- 11 uterus, right?
- 12 A. I don't see it actually says
- 13 he found -- found that. It talks about
- his test methods, his methodologies. I
- can't see the conclusion where it says he
- ¹⁶ found asbestos.
- Oh, it does, yeah. It says
- he could identify -- "Dr. Langer claimed"
- to identify as chrysotile. This method
- is based on the experience observing
- fibers of chrysotile under similar
- experimental conditions."
- Q. And then he used an electron
- microscope and a light microscope to

- 1 actually look at the Johnson's Baby
- Powder, correct?
- A. That was his test
- 4 methodology, yes.
- ⁵ Q. Right. And he worked for
- ⁶ Dr. Selikoff at Mount Sinai, correct?
- A. He did, yes.
- 8 O. And Dr. Selikoff was
- 9 considered one of the foremost
- authorities in the world on asbestos,
- 11 correct?
- 12 A. Yes, that is correct. On
- 13 asbestos, on health issues to employees
- 14 from that aspect, yes.
- O. And what Dr. Langer found
- was that when he looked at the Baby
- Powder, he found asbestos, right?
- A. Well, he -- he uses the
- words -- In Johnson's product, he
- estimated particles to be fibrotic, in
- which some could be 'asbestos.'
- So he's not actually saying
- they were asbestos, but they could be
- asbestos, in quotes.

- Q. Oh, really, because I'm
- looking at the page that says -- and I
- 3 blew it up here. "Using electron
- ⁴ microscopy, Dr. Langer has demonstrated
- 5 to me" -- that's the person who met with
- 6 him, correct?
- ⁷ A. Yes.
- 8 Q. The Johnson & Johnson
- 9 executive that went up to his laboratory
- to see what he's up to?
- 11 A. That is the read, yes.
- Q. Okay. It says, "Dr. Langer
- has demonstrated to me the presence of
- some very fine fibers at moderately high
- magnification which he identifies as
- chrysotile asbestos by the typical
- tubular appearance of the fiber."
- 18 Correct?
- 19 A. That is -- that is what is
- written. Yes. That's what he wrote in
- ²¹ 1972.
- Q. And in the conclusion, in
- the summary that was written by your
- scientists, they put, in the fourth

- 1 conclusion in the summary, "Electron
- ² microscopy" -- that's what you had
- ³ specified, right, 7024, using electron
- ⁴ microscope. I'll withdraw that question.
- ⁵ "Electron microscopy at high
- 6 magnification shows a few fibers to be
- ⁷ present in Johnson's Baby Powder, which
- 8 can be identified with chrysotile
- 9 asbestos according to Dr. Langer,"
- 10 correct?
- 11 A. You read -- you read what
- was written. Yes.
- 0. Okay. Can we put that up,
- 14 please. We have here 1971. Mount Sinai,
- Dr. Langer, TEM, Johnson's Baby Powder,
- 16 chrysotile asbestos.
- A. You said TEM. It doesn't
- specify whether it was TEM or SEM. It
- just says -- at least that's my read. It
- says electron microscopy.
- MR. PLACITELLA: Okay.
- Let's just say -- let's just
- change it to electron microscopy.
- I want to be exact.

1	THE WITNESS: Again, in the
2	interest of accuracy, it does say
3	"which can be identified with
4	chrysotile." It doesn't in my
5	read, that doesn't confirm it
6	110 percent.
7	MR. BICKS: Do I see 1971 on
8	it?
9	THE WITNESS: No, I thought
10	this was '71. It doesn't say.
11	MR. PLACITELLA: July 9th.
12	I guess we'll figure out figure
13	out we'll make sure the date is
14	right overnight.
15	Now, do you have 92?
16	(Document marked for
17	identification as Exhibit
18	J&J-92.)
19	MR. BICKS: The author can't
20	be Langer, right?
21	MR. PLACITELLA: No, it's
22	you guys.
23	MR. BICKS: Okay. Because
24	the author that you have on the

```
1
           chart is Langer.
2
                  MR. PLACITELLA: Change
3
           that.
4
                  MR. BICKS: Do we know who
5
           wrote it?
6
    BY MR. PLACITELLA:
7
                  I'm just going to show you
8
    Exhibit 92. You've seen this before.
9
    I'm sorry.
10
                  By the way, in that last
11
    document, can you help figure out
12
    overnight actually who wrote it? Because
13
    I couldn't tell.
14
                  MR. BICKS: I know
15
           Dr. Egilman is coaching you.
16
                  MR. PLACITELLA: No, he was
17
           not really. No actually he was
18
           asking me -- he was asking me
19
           where we were going to dinner
20
           tonight. How's that?
21
                  MR. BICKS: We're not
22
           going --
23
                  MR. PLACITELLA: He wants to
24
           know if I'm buying him dinner.
```

```
1
                  MR. BICKS:
                              We're not going
2
           to do assignments for you tonight.
3
                  THE WITNESS: If I knew I'd
4
           tell you today.
5
    BY MR. PLACITELLA:
6
           0.
                 Okay. Great?
7
                  I don't know, and I'm
           Α.
8
    probably never going to find out, because
9
    a number of J&J scientists met with
10
    people like Langer. That's part of the
11
    thing. Scientists talk to each other.
12
    And I don't know who that scientist was.
13
                 Now, Dr. Langer told you,
14
    actually on more than one occasion doing
15
    different sampling that he found asbestos
16
    in your products, correct?
17
                  He -- well, this letter
           Α.
18
    actually uses the words that I was going
19
         "Langer's claiming that he's
20
    detected chrysotile and amphiboles."
21
                  You're talking about the --
22
    now we are on the September 9, 1975
23
    letter, correct?
```

We are, yes.

Α.

24

- Q. And this is a letter from
- ² Mr. Lee, copying Mr. Ashton and a bunch
- of other people, correct?
- ⁴ A. Yes.
- ⁵ Q. And he's talking about a
- telephone call he received from
- ⁷ Dr. Pooley, correct?
- A. The telephone call was from
- 9 Bob Dean, who was research director in
- 10 the UK.
- 11 Q. To report a call he got from
- Bob -- from Pooley?
- A. From Dr. -- Professor
- 14 Pooley, yes.
- Q. Because what happened was
- that Pooley and Langer were supposed to
- publish a -- to give a talk on what they
- 18 found when they looked at Johnson's Baby
- 19 Powder. Do you remember that?
- A. I'm aware of that, yes.
- O. But Johnson & Johnson kind
- of got in the way of that and stopped
- that from happening, right?
- MR. BICKS: Objection to

```
1
           form.
2
                 THE WITNESS: No, that's
3
           not -- that's not correct.
4
           Professor Pooley was in
5
           disagreement with Dr. Langer.
6
   BY MR. PLACITELLA:
7
```

- You sure you had nothing to Ο.
- 8 do with it? No input? Are you sure that
- 9 you had nothing to do with Dr. Pooley and
- 10 interfering with the publication of the
- 11 paper?
- 12 Professor Pooley is a man Α.
- 13 that you would not want to cross. He
- 14 would tell you where to go if he thought
- 15 you were trying to interfere.
- 16 Actually, I thought the last
- 17 time we were here when I was deposing
- 18 you, he was very nice. He told me where
- 19 the bathroom was. He didn't tell me
- 20 where to go. So now, and I think
- 21 Mr. Bicks was in the other room with
- 22 Mr. Lanier.
- 23 So I'm looking at this
- 24 And I just want to know what was letter.

- ¹ reported.
- And what's reported is that
- ³ Langer has looked at your products and
- 4 found chrysotile and amphiboles, correct?
- A. Well, the letter says Langer
- is claiming that he's detected chrysotile
- ⁷ and amphiboles. And he's detected
- 8 tremolite and anthophyllite in Baby
- 9 Powder. That's what Langer is claiming.
- Q. Right. I'm asking -- I'm
- telling you, or we're discussing here
- what was reported to Johnson & Johnson.
- 13 A. Yeah. That was what was
- 14 reported.
- Q. What was reported was that
- 16 Langer was going to give a talk that,
- based upon his examination of the
- Johnson's Baby Powder, he found tremolite
- and anthophyllite asbestos and chrysotile
- in your products, correct?
- A. And that was -- the word is
- he claimed that he had found it back in
- ²³ '75, yes.
- Q. Right. Okay. Now --

```
1
                 MR. PLACITELLA: Hold that.
2
           We'll do two at the same time.
3
           Give me 177.
4
                  (Document marked for
5
           identification as Exhibit
6
           J&J-177.
7
    BY MR. PLACITELLA:
8
           Q. 177 is a May 3, 1984 memo
9
    entitled "MSHA Visit"?
10
                 Do you see that?
11
                 MR. SILVER: Objection to
12
           form.
13
                 MR. PLACITELLA: And I'm
14
           going to give you the Bates number
15
           or the -- it's marked on the
16
           bottom Herford 119. Do you see
17
           that, on the bottom?
18
                  THE WITNESS: Yes.
19
                 MR. PLACITELLA: Okay.
20
                 MR. SILVER: Chris, just for
21
           the record I think you said it is
22
           a May 3 document. I think it's a
23
           May 15 document.
24
                 MR. PLACITELLA: Correct.
```

```
1
           I'm sorry.
2
    BY MR. PLACITELLA:
3
           Q. It's a May 15, 1984
4
    describing a visit of May 3, 1984.
5
                 Do you see that?
6
           Α.
                 Yes.
7
                 Okay. And the MSHA is the
           Ο.
8
    Mine Safety and Health Administration,
9
    correct?
10
           A. Yes.
11
                 And you've seen this
           0.
12
    document before, correct?
13
                 I believe I have, yes.
           Α.
14
                 Right. And what happened
           Ο.
15
    was at the mine safety and health
16
    administration actually visited the
17
    facility in South Plainfield where the
18
    talc that was used in Baby Powder was
19
    being processed, correct?
20
                 MR. LOCKE: Objection.
21
                  THE WITNESS: It says the
22
           people are monitored by the Mine
23
           Safety and Health Admin, yes.
24
    BY MR. PLACITELLA:
```

- Q. Right. And what they
 - ² actually did is they went in to see were
- 3 the people who were working in that
- ⁴ facility at some kind of health risk,
- ⁵ correct?
- ⁶ A. Yes, yes.
- ⁷ Q. And what was reported was
- 8 that there was 71.2 percent fibrous talc,
- ⁹ 5.8 percent anthophyllite, which was
- concluded to be an asbestiform amphibole,
- 11 correct?
- MR. SILVER: Objection to
- form.
- THE WITNESS: We're talking
- about the filters, the personal
- air filters that people were
- wearing --
- 18 BY MR. PLACITELLA:
- 0. Correct.
- A. -- themselves.
- This is written by, I don't
- know who K.W. Olson, Ph.D., is in this.
- But that is what is reported, that they
- 24 found that. And this individual has

- described the anthophyllite as an
- ² asbestiform amphibole. But I have not
- 3 seen that in the MSHA results.
- Q. Then it says in 3, "In the
- 5 case of CIMC's sample."
- Do you see that, where it
- ⁷ talks about what they looked at?
- 8 A. Yes.
- 9 Q. They say they found -- they
- actually count the fibers. And they say
- they found fibrous talc, and that's where
- they get the percentage of fibers.
- Do you see that?
- 14 A. Yes.
- Q. And do you see where they
- say they found anthophyllite asbestos?
- 17 A. I read that, yes. Although
- what this doesn't say is which -- which
- mine they visited. Which facility.
- Q. Well, it says the South
- Plainfield facility, doesn't it? Right
- 22 at the top, the South Plainfield mill,
- the very first sentence?
- A. It does say that. But I

- don't know whether that was an industrial
- ² mill or how far away that is from the
- ³ Hammondsville mine and milling operation.
- Q. You didn't know that they
- ⁵ processed your Baby Powder right here in
- 6 New Jersey in South Plainfield?
- A. What I want to say is I
- 8 don't know whether that was the -- that
- ⁹ particular mill was operating as Baby
- 10 Powder, I don't know, or was it a mill
- that was looking at industrial talcs. I
- don't know.
- Q. You don't know, but somebody
- 14 knows?
- A. Well, this was 40 years ago,
- ¹⁶ 30 years ago, yes.
- Q. Okay. And if you go on the
- next page, it talks about who did the
- 19 tests, right? And that they sent -- and
- they took photographs of the patterns to
- document what they found, right?
- 22 A. Yes.
- Q. Okay. If you go down to the
- report under where it says trip report.

1 Do you see that? 2 Which Bates page? Α. 3 When they are actually Q. 4 analyzing how complete this study 5 actually was. 6 Which page, please? Α. Bates 7 number? 8 Bates Number 121? Ο. 9 121. Thank you. Α. 10 First, if you go to 121, and Ο. 11 they say the analysis was very complete, 12 and that the testing scheme he used had 13 actually already been tested in court, 14 correct? 15 Yeah, that's what's written, Α. 16 yes. 17 They say, according to the Ο. 18 federal government, a false positive 19 analysis for asbestos was not possible 20 using this scheme, correct? 21 That is what is written. 22 But again, I'm coming back to this 23 question as to how on earth does this tie

into Johnson's Baby Powder. I am just

24

- 1 not aware of any milling operation in
- ² South Plainfield.
- Q. Well, you know that they
- ⁴ were looking at Italian talc when they
- ⁵ did this?
- A. Who is they?
- ⁷ Q. The Mine Safety and Health
- 8 Administration. Do you know that they
- ⁹ used Italian talc here?
- MR. BICKS: Objection to
- form. No foundation.
- 12 BY MR. PLACITELLA:
- 0. Did you know that?
- A. Well, it mentions Italian
- 15 talc. But this is a Cyprus Mineral
- report or a report to a Cyprus Mineral
- 17 facility. And the point that I'm making
- here is that J&J was not using Italian
- 19 talc in Baby Powder in 1984.
- Q. Well, did the mine change
- somehow from when you were using it? I
- thought you said the geology was all the
- 23 same?
- A. Italian talc.

```
1
                 Yeah. Why would this be any
           0.
2
    different than the talc you were buying?
3
                 MR. BICKS: Objection to the
4
           form.
5
                 MR. SILVER: Objection to
6
           the form.
7
                 THE WITNESS: I'm not aware
8
           that we were buying Italian talc
9
           in 1984.
10
    BY MR. PLACITELLA:
11
           Q. But you were buying it in
12
    1980, right?
13
                 We bought in 1980 for a
14
    period of two months. I think January,
15
    February 1980. Possibly December 1979
16
    during the mine strike, a small quantity
17
    of Italian talc was used for about
18
    12 weeks.
19
                 Okay. So in terms of the
20
    man's credentials who did this testing,
21
    if you go to 122, this is what your
22
    supplier that you relied upon said about
23
    the man's credentials.
24
                  "He is a certified
```

```
technician, an experienced microscopist,
```

- and has served as an expert witness and a
- ³ friend of the court during the
- 4 various" -- "course of various
- ⁵ litigations." Right?
- A. Yes, that's what's written.
- ⁷ Q. So he obviously knew what
- 8 the heck he was talking about, right?
- 9 MR. BICKS: Objection to
- form.
- THE WITNESS: Again, it
- comes around to the question of
- what's the connection with
- Johnson's Baby Powder from a mill,
- a Cyprus mill in South Plainfield.
- 16 BY MR. PLACITELLA:
- Q. Well, we'll connect that up
- at a different point in time?
- A. I don't even know which
- 20 South Plainfield this is. Is it in New
- Jersey or is it another South Plainfield?
- ²² Q. Okay.
- MR. LOCKE: Can we take a
- quick break.

```
1
                 MR. PLACITELLA: Yeah, sure.
2
                 THE VIDEOGRAPHER:
                                     Stand by
3
           please. The time is 4:42 p.m. We
4
           are going off the record.
5
                  (Short break.)
6
                 THE VIDEOGRAPHER: The time
7
           is 4:56 p.m. We are back on the
8
           record.
9
    BY MR. PLACITELLA:
10
                 Okay. Just the last entry
11
    on this chart, the Mine Safety and Health
    Administration analysis for asbestiform
12
13
    materials was Italian talc, air samples
14
    at Cyprus South Plainfield, 71.2 percent
15
    fibrous talc, and 5.8 percent
16
    anthophyllite and asbestiform amphibole.
17
                 And I understand and the
18
    record reflects that your point is that
19
    at this point we don't know if that was
20
    the actual talc that went into the
21
    Johnson Baby Powder, correct?
22
                 That is my point. And the
           Α.
23
    point being that there are many different
24
    Italian talcs.
```

```
1
                 MR. PLACITELLA: So give me
2
           257.
3
                  (Document marked for
4
           identification as Exhibit
5
           J&J-257.)
6
    BY MR. PLACITELLA:
7
           Q. 257. I'm sorry. Did I say
8
    257? Yeah. 257 is a report with the
9
    Bates number ending -- 8893.
10
                 And it is entitled "Italian,
11
    medicated, Grantham talc from R. Rolle
12
    files." Who is R. Rolle?
13
             That would Bob Rolle or
14
    Robert Rolle, who is a scientist in the
15
    baby product company.
16
                 Okay. And if we can go --
17
    and the next page is a cover letter from
18
    McCrone Associates dated September 3rd,
19
    1971. "Enclosing a report on the
20
    Grantham ore and Shower to Shower and
21
    medicated powders."
22
                 Do you see that?
23
           Α.
                 Yes.
24
                 Okay. And if you go to Page
           Q.
```

- ¹ 2 of the report itself, McCrone reports
- that in the medicated powder, we found
- one fiber of chrysotile.
- Do you see that?
- 5 A. He said he's examined the
- ⁶ G-11 sample, which is the Grantham ore
- ⁷ sample, it is my understanding.
- Q. No, no. Up further,
- 9 Dr. Hopkins.
- 10 A. Which page are you on, 2?
- Q. Same page, up where it says,
- "In the medicated powder."
- 13 A. Sorry. Are you on Page 1?
- ¹⁴ Q. No, Page 2.
- A. Bates number 95?
- ¹⁶ Q. 98.
- 17 A. 98. That helps.
- Q. Okay. Sorry.
- 19 A. Yes.
- Q. In the medicated powder they
- found one fiber of chrysotile, correct?
- A. That's what they reported.
- ²³ That's what they wrote, yes.
- Q. And in the Shower to Shower

- 1 sample, they say they found several
- ² fibers and they feel very strongly that
- they may be chrysotile, but at a very low
- ⁴ percentage, correct?
- A. Well, it says they found
- 6 several fibers, which do not show the
- ⁷ coring typical of chrysotile. Chrysotile
- 8 fibers under microscope look like a core,
- 9 like a tube. They may be finding fibers
- 10 of talc.
- "We're unable to obtain the
- diffraction pattern but feel strongly it
- may be chrysotile. Again, very low."
- So they are hedging their
- bets on that one.
- 0. Right. But what they say is
- on one method, you know, we don't see it.
- We use another method. But we feel
- 19 pretty strongly it's chrysotile, right?
- A. They say it may be
- 21 chrysotile.
- Q. And they spell chrysotile
- ²³ correct?
- A. They do indeed. They appear

- ¹ to know what they are talking about.
- But they say in the first
- sentence -- first part of that sentence,
- 4 it doesn't show the coring of chrysotile.
- 5 And then they go onto say, well, this is
- fiber, it may be chrysotile.
- Q. Okay. Now, going to --
- MR. PLACITELLA: Give me 23,
- and then we'll do two together.
- 10 BY MR. PLACITELLA:
- 11 Q. Seven months later, they
- 12 look at the medicated powder and Shower
- to Shower, right?
- 14 (Document marked for
- identification as Exhibit
- J&J-23.
- 17 BY MR. PLACITELLA:
- Q. This is Walter McCrone on
- ¹⁹ October 12, 1971.
- Do you see that?
- A. Yes. One month later.
- Q. If you go to Page 3 under
- Shower to Shower, they say, "The fiber
- 24 content of Shower to Shower is quite

```
1 low, " correct?
```

- A. That is what is written.
- Q. Okay. On the next page he
- 4 says, "We have, however, found traces of
- 5 chrysotile in G-11."
- Do you see that?
- ⁷ A. Yes.
- 8 O. And G-11 is from the
- 9 Grantham mine?
- 10 A. Yes. That was -- that was a
- mine that was never actually used. But
- it was being evaluated as an option at a
- point as a case, or as of when
- 14 Hammondsville ran out of talc. It was an
- evaluation project.
- Q. Well, it says here, one of
- the additives to Shower to Shower?
- 18 A. Oh, in that case -- are we
- talking about Grantham ore or the
- ²⁰ additives.
- o. G-11.
- A. I thought you said Grantham.
- G-11 is an additive, yes.
- Q. When you say additive, what

- do you mean by that?
- A. I'm not sure what that was.
- 3 It could have been an antiseptic or
- 4 whatever the -- there is an additive
- 5 G-11.
- 6 Q. So you had additives that
- 7 went into the Shower to Shower?
- 8 A. Yeah. Sodium -- baking
- 9 soda, it could have well been baking
- soda. Baking soda was one of the
- 11 additives in Shower to Shower.
- Q. So they found traces of
- chrysotile in one of the additives that
- were put into Shower to Shower in
- ¹⁵ addition to the talc?
- A. Well, I'm not sure that's
- 17 clear from this report.
- Q. Well, it says, "We have
- 19 however found traces of chrysotile in
- G-11, one of the additives to Shower to
- 21 Shower." Right?
- A. Well, that's what they
- wrote. They looked at something called
- ²⁴ G-11.

```
1
                  (Document marked for
2
           identification as Exhibit
3
           J&J-34.)
4
                 MR. PLACITELLA: Now, give
           me 36.
5
6
                  (Document marked for
7
           identification as Exhibit
8
           J&J-36.)
9
    BY MR. PLACITELLA:
10
           Q. 36 is another report
11
    authored by McCrone. This is dated
12
    October 27, 1972.
13
                 Do you see that?
14
                 It is, yes.
           Α.
15
                 And we went through this
           Q.
16
    last time, right? This is the one that's
17
    stamped --
18
                 This is the preliminary
           Α.
19
    report stamped.
20
                 "Do not use this report"?
           0.
21
                 Replaced by another version.
           Α.
22
                 Right. We'll do some of
           Ο.
23
    this tomorrow. But what happens is J&J
    didn't like the way this report was
24
```

```
1
    written, right?
2
                 MR. BICKS: Objection to the
3
           form.
4
                  THE WITNESS: No. I have no
5
           evidence that J&J commented on
6
           this report.
7
                  The second report, the one
8
           that was used was issued by
9
           McCrone based on their review and
10
           evaluation a second time of the
11
           talc sample.
12
    BY MR. PLACITELLA:
13
           Q. And what this report was,
14
    was looking at the samples of Baby Powder
15
    that Dr. Lewin looked at, that we talked
16
    about before, for the FDA, correct?
17
                 This was -- yes, 108T and
           Α.
18
    109T.
           Yes.
19
                 Right. And what McCrone
20
    found was tremolite in those samples,
21
    correct?
22
                 Yes. It says, "A few
23
    tremolite rods were observed in both
    samples, but at a level of less than
24
```

1 .05 percent. No chrysotile detected." 2 Well, actually it says --Ο. okay, 0.5 percent. 4 Α. Yeah. 5 So they found tremolite in Q. 6 the samples that Lewin looked at? 7 Tremolite rods, yes. Α. 8 MR. PLACITELLA: Okay. 9 Let's just go up to -- so we don't 10 get ahead of ourselves. 11 We're going to get a faster 12 way to do this tomorrow. They 13 promised. Hopefully they won't 14 keep doing it. 15 BY MR. PLACITELLA: 16 The last two entries for J&J 17 257, we have a report by McCrone. They 18 looked at --19 MR. PLACITELLA: Oh, we 20 didn't really go over Grantham. 21 So take out Grantham. 22 And take that out. 23 BY MR. PLACITELLA: 24 Q. Okay. And what they found

```
1
    here was?
2
                  MR. PLACITELLA: And take
3
           out all the references to
4
           Grantham, because we didn't go
5
           over that.
6
    BY MR. PLACITELLA:
7
                  That's a mine, you've told
           0.
8
    me, by the way, that you believe never
9
    actually went into operation?
10
           Α.
                  Yeah. It was one that was
11
    being evaluated as a possible, but it
12
    never got anywhere.
13
           Ο.
                 Okay.
14
                 Yeah.
           Α.
15
                  So does the entry now in
16
    what the test revealed in those quotes,
17
    is that consistent with what you saw
18
    before?
19
                  MR. BICKS: Objection to the
20
           form.
21
    BY MR. PLACITELLA:
22
                  "Fiber of chrysotile were
           Ο.
23
    very clear, medicated powder. We found
24
    one fiber of chrysotile, Shower to
```

Shower. We feel strongly it may be 1 2 chrysotile. Chrysotile is very low." 3 Is that fair? 4 MR. BICKS: Objection to 5 form. 6 THE WITNESS: Yeah. May be. 7 It's important to state that they 8 were not definitive. 9 BY MR. PLACITELLA: 10 Well, I put an exact --0. 11 exact quote? 12 Α. Yes. May. Yes. 13 Then the next entry, also by 14 McCrone, Shower to Shower, traces of 15 chrysotile in one of the additives. 16 Is that fair? 17 That's what they claim to Α. 18 have seen. 19 Okay. 0. 20 Α. Yes. 21 And then in --0. 22 Again, not confirmed. Α. 23 And in J&J 36, both samples 24 contained an insignificant amount of

```
tremolite.
1
2
                  Is that fair?
3
                 They described it as a few
4
    tremolite rods were observed. Is that --
5
    is that the last one?
6
           Q. Well, actually it says,
7
    "Both samples contain an insignificant
8
    amount of tremolite, less than
9
    .5 percent."
10
                 Okay. I was reading from
11
    the conclusion, which said, "A few
12
    tremolite rods were observed, less
13
    than .5 percent."
14
           Q.
                 Okay. So we're okay with
15
    that one?
16
                 They use the word "rods,"
           Α.
17
    because that's important, tremolite rods.
18
                 MR. PLACITELLA: Okay. Add
19
           to the -- semicolon, tremolite
20
           rods.
21
                 Now give me 57.
22
                  (Document marked for
23
           identification as Exhibit
24
           J&J-57.
```

```
1
    BY MR. PLACITELLA:
2
                 57 is a confidential memo
    called "New agent systems plant trial"
4
    Windsor Minerals with G. Lee being on the
5
    front. We've seen this before, correct?
6
           Α.
                 We have, yes.
7
                 MR. BICKS: Do you have
8
           another copy of it?
9
                 MR. PLACITELLA: I don't.
10
           But I'll come back to it if you
11
           need time. My problem is I came
12
           in with three boxes. I came to
13
           New York. I carried all I could.
14
           It was this high. I couldn't do
15
           anymore.
16
                 So I -- anything that was
17
           more than 30 pages, I had to make
18
           a choice. But I'll put it up.
19
    BY MR. PLACITELLA:
20
                 So in this document. Why
21
    don't you just describe for the record
22
    what this document is briefly.
23
                 All right. We said earlier
           Α.
24
    that part of a processing of talc is to
```

- 1 get it clean with large plate sizes. So
- you get the nice white lubricious silky
- ³ feel. So beneficiation is a process
- 4 that's used to wash the talc. And a
- ⁵ wetting agent, like a dish wash liquid
- type material is added so the talc floats
- ⁷ atop of the vessel, the bath. And it
- 8 sticks to the bubbles. You then scrape
- ⁹ the bubbles off and wash them.
- Do that about 30, 36 times.
- 11 And you get a pure clean talc. And the
- small bits of stuff, anything that's
- small or particles that you don't want,
- the small plates fall to the bottom and
- 15 can be discarded. So what this is
- 16 looking at are alternative washing
- systems to cleanup the talc, to wash it.
- Q. Can you go to Page 5 of the
- document where it talks about the
- ²⁰ asbestiform analysis done by Walter
- 21 McCrone?
- A. Yes.
- Q. Here, it indicates that
- Walter McCrone did an analysis as part of

- this process and used TEM and electron
- ² diffraction, correct?
- A. Yes.
- Q. All right. And they found
- ⁵ very low levels of chrysotile, correct?
- A. Where are we reading?
- ⁷ Q. Right in that paragraph,
- where it says, "Asbestiform analysis were
- 9 performed."
- 10 A. Yes. It says results are
- questionable due to extremely low levels
- 12 present.
- 0. Okay. It says they found
- extremely low levels of chrysotile,
- 15 correct?
- A. Yes. But part of this study
- was that they deliberately added 3
- percent chrysotile to see if they could
- 19 find it. That's -- we see that near the
- end of the summary table on Bates 355.
- O. Well, I'll get to that.
- 22 And what they say is that,
- the reason they are doing this is they're
- trying to get the chrysotile out of --

- 1 make sure they don't have any chrysotile
- in the product because of the health
- hazard associated with chrysotile,
- 4 correct?
- A. Well, it was one of the side
- 6 benefits that you could look at mines,
- ⁷ certainly industrial mines that may
- 8 contain chrysotile. If there was a way
- 9 of removing chrysotile, this was an
- experiment to see if that could be done.
- 11 It doesn't say it was in the
- Baby Powder product. The company
- certainly at that time were looking at --
- and we mentioned the Grantham mine
- 15 earlier -- at alternative mine sources
- that may have contained chrysotile. And
- if you can find a way of removing it,
- this experiment was just one of many
- experiments that were done to -- to look
- at, as they described, depression of
- 21 chrysotile asbestos.
- Q. And what they say is, "The
- use of systems" -- "these system, which
- is" -- "is strongly urged by this writer

- to provide the protection against of what
- ² are currently considered to be materials
- ³ presenting a severe health hazard and are
- 4 potentially present in all talc ores in
- ⁵ use at this time," correct?
- A. He uses the word
- ⁷ "potentially present." It doesn't say it
- 8 is present. The whole point of using --
- 9 of getting talc mines -- that's suitable
- 10 for cosmetic talc, is to avoid those
- areas of mineralogy that you don't want,
- including asbestos, but he's using the
- word potentially present.
- ¹⁴ Q. Okay.
- A. And as I said, I think that
- this is in the context of the company
- 17 looking at that time for alternative
- mines that would possibly be available,
- 19 either as industrial talcs or cosmetic
- 20 talcs.
- Q. What was my question?
- A. I think you asked me what he
- said. And I said, yes, I agree with what
- ²⁴ is written.

- Q. Okay. So you agree that
- what he says is they're running the tests
- ³ because of severe potential health
- 4 hazards, right?
- 5 A. That's what he wrote. There
- 6 is a potential --
- ⁷ Q. He didn't write any of that
- 8 other stuff that you spent the last
- ⁹ 35 seconds talking about?
- MR. LOCKE: Objection.
- MR. BICKS: All right.
- Objection. Argumentive.
- 13 BY MR. PLACITELLA:
- 14 Q. Okay. Now --
- A. I was setting in context.
- But that's what he wrote, "potentially
- present."
- Q. And then he has a Table 15,
- 19 correct?
- A. Yes. Here it is.
- Q. All right. Table 15 says,
- ²² "Asbestiform fiber counts by Walter C.
- McCrone Associates." And on the second
- one it says 66-U product. And it says

- "probably chrysotile," correct?
- A. Yes, this is a result of --
- Q. Sir, I'm just asking you --
- A. Yes, that's what -- that's
- 5 what's written --
- 6 O. -- if I'm -- if that's
- 7 what's written.
- 8 A. -- on this Table 15. It
- ⁹ does say that, yes.
- Q. All right. And then when it
- 11 goes down to 66-A product, there is a
- ¹² zero. So on that one they didn't find
- any chrysotile, correct?
- A. They didn't, no.
- Q. And when they looked at the
- 16 66-U ore they didn't find any chrysotile,
- 17 correct?
- A. Correct.
- 0. All right. When they looked
- at the 66-AC ore, they found chrysotile
- in the ore, correct? Not probably. They
- ²² found chrysotile.
- A. Well, it had been added. So
- they did find it, yes.

- Q. Did they add it in the 66-U
- ore because that came up zero?
- A. Well, that's because the
- 4 washing process had obviously been quite
- ⁵ successful in removing it.
- Okay. Sir, it doesn't say
- ⁷ anything here about adding, right? It
- ⁸ just gives the fiber counts in a table,
- 9 correct?
- 10 A. Table --
- 11 Q. Let me just go back through
- this again. Okay. Table 15.
- 13 "Asbestiform fiber counts by Walter
- McCrone." In the 66-U product, that's
- the end product, they found probably
- chrysotile, correct? That's what it
- 17 states.
- A. After they washed it, they
- 19 found one.
- Q. It doesn't say that, sir.
- 21 It says probably chrysotile, correct?
- A. It says probably chrysotile,
- 23 yes.
- Q. Right. And in the ore under

- ¹ 66-AC, it says they found chrysotile,
- ² correct?
- A. Yes.
- Q. And then on the same product
- 5 that was made from that ore, they found
- 6 chrysotile, correct?
- A. Yes. Again, this is
- 8 measuring, per the legend below, after
- ⁹ washing, yes. They found it after
- washing.
- 11 Q. Sir, there's nothing on here
- that says after washing, correct?
- A. But legends, the word
- "legend" below.
- O. It shows washing? Show me.
- 16 I blew it up.
- 17 A. You need to read the whole
- presentation. They used ultrawet DS in
- 19 category U. They used N-butanol to wash
- 20 category A. And AC, they used butanol
- ²¹ and citric acid.
- Q. Right. What they did is
- they used a process to try to take the
- chrysotile out, and they were somewhat

- ¹ successful. So for example in the ore
- they found a lot of chrysotile in the AC
- ore, and after they put it through the
- ⁴ process, they found less chrysotile.
- ⁵ Right? That's what it says.
- A. No, they deliberately added
- ⁷ it. Table 13 explains that they had put
- ⁸ in that certain level of chrysotile.
- 9 Q. So they put the exact same
- 10 level in?
- 11 A. Yeah. 3 percent, 3 percent,
- 12 3 percent in the ore. And between 1 --
- between .1 and .2 percent in the product,
- the ground ore.
- Q. I don't see it, sir, but
- we'll let an expert figure it out. Let's
- just talk about what's reported. Why are
- you smiling at me?
- MR. BICKS: Dr. Eqilman is
- smiling at me.
- MR. PLACITELLA: You two
- smile at each other. Date.
- Whatever you want. Let me finish
- what I'm doing.

```
1
                 MR. BICKS:
                              When you say an
2
           expert will figure it out. You're
3
           showing portions of it. And he's
4
           showing you pretty clear portions
5
           demonstrate that the questions are
6
           misleading to put it mildly.
7
                  MR. PLACITELLA: That's not
8
           nice. That's not nice.
9
                  MR. BICKS: It's true.
10
                  MR. PLACITELLA: That's
11
           really not nice.
12
    BY MR. PLACITELLA:
13
                 Haven't you previously
14
    testified, sir, that chrysotile asbestos
15
    was found in association with the
16
    Hammondsville ore body?
17
                 Have I previously testified
           Α.
18
    that it was?
19
           0.
                 Yes.
20
                  I'm not aware that
           Α.
21
    chrysotile is in the Hammondsville ore
22
    that's used in Baby Powder, the actual
23
    talc that's used in Baby Powder.
24
                 We'll do that tomorrow. The
           Q.
```

```
1 Frostbite mine, was that ever used for
```

- ² Baby Powder?
- A. I believe that was an
- 4 industrial mine. I don't believe that
- was ever used in Baby Powder. There were
- 6 several industrial mines that are some
- ⁷ distance away.
- 8 O. Did that have asbestos in
- ⁹ it?
- A. I don't know.
- 11 Q. The Frostbite mine?
- 12 A. I'm not familiar with it. I
- know the name Frostbite. There were
- 14 several mines that we used from Windsor
- 15 Minerals for industrial purposes.
- MR. PLACITELLA: Give me 63.
- 17 Give me 65.
- 18 (Document marked for
- identification as Exhibit
- J&J-65.
- 21 BY MR. PLACITELLA:
- Q. 65 is a report from Walter
- McCrone concerning talc samples from the
- ²⁴ Argonaut ore body. You've seen this

- before, correct?
- A. Yes, I think I've seen this
- ³ before.
- O. Okay. And on the next -- on
- 5 the first full page. It talks about the
- examination of 38 core samples, correct?
- ⁷ A. Yes.
- 9 Okay. And this is what
- ⁹ we've got, we went through before,
- 10 correct?
- 11 A. Yes. Core sampling is what
- you do when you open a new mining area.
- 0. Right. And if you go to
- 14 Page 4 it states what McCrone found in
- the Argonaut ore body was chrysotile
- asbestos and fibrous tremolite, correct?
- 17 A. Yeah. Two of the core --
- two of the core samples, which they
- 19 reference the numbers, they showed
- chrysotile asbestos. So they know where
- the chrysotile would be.
- Q. And fibrous tremolite?
- A. And fibrous tremolite. And
- again that would indicate where you would

```
1
    not go and do any mining.
2
                 And do you have any
           Q.
3
    contemporaneous proof, sir, that Windsor
4
    Minerals specifically never went to those
    areas that were set forth here and did
5
6
    any work whatsoever?
7
                 MR. LOCKE: Objection.
8
                 MR. SILVER: Objection.
9
                  THE WITNESS:
                                The
10
           specification requires absence of
11
           asbestos. So it doesn't require a
12
           rocket scientist to say that why
13
           go where you think there may be
14
           asbestos when you have plenty of
15
           areas to go that you know is no
16
           asbestos.
17
    BY MR. PLACITELLA:
18
           Q. Well, let me ask the
19
    question a different way, sir. You don't
20
    have any contemporaneous evidence or
21
    documents to indicate that Johnson &
22
    Johnson or Windsor Minerals was
23
    specifically avoiding this area of the
24
    mine, correct?
```

- ¹ A. To achieve the
- ² specification, you would have to avoid
- 3 it. One is a follow-on from the other.
- ⁴ But do I have documentation to say, oh,
- we didn't go where we drilled core sample
- 6 2-R-72 and 54368? No, I don't have that.
- ⁷ But to achieve a specification, you would
- ⁸ avoid those areas.
- 9 Q. Okay. So can you go to
- 10 Table 2. Table 2 is the analysis that
- was done of the core samples by McCrone,
- 12 correct?
- 13 A. Yes. That's the -- that's
- the analysis by electron microscopic
- ¹⁵ analyses of core samples.
- Q. That was in accordance with
- your specification, correct?
- ¹⁸ A. Yes.
- 0. Okay. And McCrone found, by
- my count, chrysotile asbestos 15 times
- ²¹ out of 38?
- A. Well, what you're measuring
- is the depth, as you go down the drill.
- 24 If you look at the second one down

- 1 2-R-72, they go from 131 feet down to
- ² 167 feet. And they find chrysotile all
- the way down to 268 feet. So that's
- 4 really one core sample. That was an area
- ⁵ that they would avoid. So it's not 15.
- 6 It's one, two, three, four, five six, on
- ⁷ those six core samples.
- Q. Let's just go a little bit
- 9 on that. And I don't want to spend a lot
- of time on it because we have a lot to
- ¹¹ do.
- So for example, they found
- chrysotile asbestos from 131 feet all the
- 14 way down to 268 feet in the 2-R-72 drill,
- 15 correct?
- A. Yes. That drill is an area
- where they hit chrysotile.
- Q. Right. And then not far
- away they found chrysotile in four of the
- five samples they looked at from 92 feet
- ²¹ to 184 feet?
- A. Well, when you say not far
- away, I don't think that's evident from
- this. But on a different sample rated,

```
1
    which one are you looking at? 9-R-72?
2
    They found three out of four as they
3
    drilled down.
4
                 No, four out of five.
5
                  So which one are you on?
           Α.
6
    Which core sample?
7
                 A little technology glitch.
           0.
8
    But we will be back. In this analysis of
9
    the Argonaut mine, there's no question
10
    that McCrone found chrysotile asbestos in
11
    the Argonaut mine multiple times,
12
    correct, and at multiple levels?
13
                  MR. BICKS: Objection to the
14
           form.
15
                  THE WITNESS: You've used
16
           the word "mine," Argonaut mine.
17
                  The Argonaut deposit, which
18
           covered quite some considerable
19
           acreage, had areas where there was
20
           asbestos found, chrysotile found.
21
           Equally there are areas where
22
           there was no evidence whatsoever
23
           of chrysotile.
                  So that's the mining area
24
```

```
1
           where there's -- you go to that
2
           area and avoid the area where you
3
           found chrysotile. That's the
4
           whole point of doing core
5
           sampling.
6
    BY MR. PLACITELLA:
7
                 Okay. So it would be a lie
           Ο.
    if someone ever said under oath that
8
9
    there was never any asbestos in any
10
    Vermont mine, correct?
11
                 MR. SILVER: Objection.
12
                  THE WITNESS: It depends on
13
           how you're defining mine. As I've
14
           said before, if you're mining from
15
           an area where there's no asbestos,
16
           then it is not a lie.
17
                  It would be incorrect though
18
           to actually say well, we went into
19
           an area where we knew there was
20
           asbestos and started mining that.
21
           But that's not the mine.
22
                  The core is where you drill
23
           down with a diamond drill and see
24
           what you find. You are not mining
```

```
1
           that. You're drilling down to see
2
           where you don't mine.
    BY MR. PLACITELLA:
4
                 Okay. We'll get to that
           0.
5
    tomorrow.
6
                  MR. PLACITELLA: Give me 74.
7
                  (Document marked for
8
           identification as Exhibit
9
           J&J-74.)
10
    BY MR. PLACITELLA:
11
           Q. October 10, 1974, this is a
12
    report provided by Walter McCrone to
13
    Windsor Minerals, correct?
14
                  It is, yes.
           Α.
15
                  And they found chrysotile
    fibers in one of the samples?
16
17
                  Well, the samples were sent
           Α.
18
    by Windsor Minerals, yes.
19
                  And -- okay.
           Ο.
20
                  MR. PLACITELLA: Give me 89.
21
                  (Document marked for
22
           identification as Exhibit
23
           J&J-89.)
2.4
                  MR. PLACITELLA: This is 90.
```

- 1 BY MR. PLACITELLA:
- Q. 89 is another report from
- ³ McCrone to Windsor Minerals.
- A. Yes. We've seen this
- ⁵ before. Yes.
- Q. And this is a report of an
- ⁷ electron microscopy that was done from
- 8 the Windsor mineral ore body, correct?
- 9 A. It was done from -- let's
- 10 read this very carefully. Because from
- my recollection some of these relate to
- 12 industrial talc from the industrial mines
- owned by Windsor Minerals.
- Q. What it says is "from your
- ore body, correct? It's the Windsor
- mineral ore body?
- A. Yeah, it doesn't describe it
- here, but there are ore bodies owned by
- 19 Windsor Minerals, which are used for
- industrial talcs, Clifton mine and
- several others, were industrial mines.
- O. In Vermont?
- A. The Clifton mine is in
- Vermont, yes, industrial mine.

- O. And the industrial mines had
- ² asbestos in them?
- A. Well, I don't know. What
- ⁴ I'm saying is, if you are talking here
- 5 about Baby Powder, what I'm saying is
- there's no evidence that these related to
- ⁷ Baby Powder.
- Q. I didn't ask you those
- ⁹ questions yet. All right. Let me ask
- you the questions, and you can respond,
- okay. It says they kept a running
- tabulation of the asbestos which they
- could find, correct?
- A. Yes, it does say that.
- O. Okay. And it was from the
- Windsor mineral talc, correct?
- 17 A. It was from talc supplied by
- 18 Windsor Minerals.
- Q. And in Table 1 they actually
- list the confirmed -- where they found
- and confirmed asbestos, correct?
- A. They report those particular
- batches that were claimed to contain
- 24 asbestos, yes.

- Q. Right. What is sediment, by
- the way, when testing is done? What
- ³ do -- what do they mean when they say
- 4 sediment?
- ⁵ A. Where are you --
- Q. Table 2, sample content of
- ⁷ the sediment.
- A. I don't know. I mean, the
- 9 cover letter says, "Some of the samples
- showed extreme amounts of sedimentation
- at the bottom of the test tube when we
- prepared these samples."
- 0. In Table 2 they show all the
- 14 places they found fibers and where they
- confirmed asbestos, correct?
- A. They list headings of
- asbestos and fibers and organics. That's
- the stuff when you are drilling down with
- 19 a core, you go through tree roots and all
- 20 sorts of rubbish.
- Q. And more than half of the
- samples they looked at they found fibers,
- correct, in the sediment?
- A. Yes. I mean, the very fact

- 1 that they contain organics screams out to
- ² me that these were quite possibly core
- 3 samples. But it doesn't say that. But
- 4 organic material consisted of bacteria,
- 5 amorphous structures, which seemed to be
- organic in nature, general crud which you
- ⁷ find in some of the samples.
- 8 So what they're looking at
- 9 here implies that it's not talc that's
- used in baby products.
- 11 Q. It doesn't say that
- anywhere, does it, sir?
- A. No, it says it contains
- large amounts of organic matter, which is
- the kind of thing that you get when you
- do a core drilling sample. You go
- through soil, tree roots, all sorts of
- 18 rubbish.
- 0. It doesn't say anything
- about it's not used in Baby Powder.
- ²¹ That's just your editorializing.
- A. It does not say.
- Q. Okay.
- A. It does not say we're -- the

- 1 company is putting tree roots in Baby
- 2 Powder, no.
- Q. So there's nothing in here
- 4 that says it's not used in Baby Powder,
- ⁵ correct?
- 6 A. There's nothing that says
- ⁷ that it was not used. No.
- MR. PLACITELLA: Okay. Can
- we go back to the chart to make
- sure we're staying current.
- 11 BY MR. PLACITELLA:
- 0. 24, McCrone. Where are we?
- MR. PLACITELLA: Where are
- 14 we? 57.
- 15 BY MR. PLACITELLA:
- Q. 57 was the Dartmouth study.
- 17 Chrysotile fibrous suppression as
- indicated. We didn't go over arsenic.
- 19 So take arsenic out. You'll recall
- Dartmouth found amphiboles at 100 to
- 21 200 parts per million in the ore and
- 3,000 in the ore. Do you recall that?
- 23 And McCrone found chrysotile
- in the ore in the finished product. Do

```
1
    you remember that?
2
                  MR. BICKS: Objection to the
3
           form.
4
                  THE WITNESS: Yeah. What
5
           you read, Table 13 says that there
6
           were 3,000 PPM, parts per million,
7
           of amphibole in the ore in A, B
8
           and C.
9
                  And what I'm saying is that
10
           from my knowledge of people I've
11
           spoken with, this is the -- this
12
           is the process that's done to
13
           actually -- you add it
14
           deliberately and then see if you
15
           can find it.
16
    BY MR. PLACITELLA:
17
                  Sir, I'm just asking what's
18
    reported. I'm not asking for your
19
    opinions. I'm just asking what is
20
    reported.
21
           Α.
                  It was --
22
                  Do you remember that was the
           Ο.
23
    instruction when we started? What was
24
    reported.
```

```
1
                  MR. LOCKE: Objection.
2
                  THE WITNESS: Yes, and it is
3
           reported that the ore contained --
4
           when they were doing the study
5
           3,000 parts per million for ore A,
6
           ore B, and ore C.
7
    BY MR. PLACITELLA:
8
                 Then the next exhibit, 65
9
    was a McCrone report. And that's where
    the TEM found chrysotile fibers and
10
11
    tremolite, correct?
12
                  MR. BICKS: Objection to the
13
           form.
14
                  THE WITNESS: Which exhibit
15
           number?
16
    BY MR. PLACITELLA:
17
           0. 65.
18
                 Let's read this again. Yes,
19
    these are diamond core drillings to see
20
    where the talc was and where you'd avoid
21
    it.
22
                 Okay.
           0.
23
                  So they did find areas that
           Α.
24
    they would avoid trace of chrysotile.
```

- O. And fibrous tremolite?
- 2 A. Well --
- Q. 74. This is another McCrone
- ⁴ report, it was of a product. They found
- ⁵ fibrous asbestiform material chrysotile
- ⁶ fibers, correct?
- A. Yeah. These were samples.
- 8 Again, it doesn't specify whether they
- ⁹ were diamond core drill samples. But in
- amongst those, they claim to have found
- 11 asbestiform fibers.
- Q. Next 89, what we just went
- through, confirmed asbestos low to
- 14 medium, correct?
- A. Again, along with tree roots
- and what they describe as crud, which --
- 17 Q. I'm not asking about whether
- they found tree roots. I'm asking you
- whether they found asbestos. They found
- asbestos in that testing, correct?
- A. In that testing, yes.
- MR. PLACITELLA: Okay. Now,
- give me 169, please.
- 24 BY MR. PLACITELLA:

- Q. I'm sorry. Did we talk
- about the Rainbow mine? That was used in
- Baby Powder, correct?
- ⁴ A. It was used for a short
- ⁵ period of time, yes.
- 6 (Document marked for
- ⁷ identification as Exhibit
- $J_{*}J_{-}169.$
- 9 BY MR. PLACITELLA:
- Q. And this is a November 6,
- 11 1980 report. This is a report from
- 12 McCrone, again to Windsor Minerals,
- 13 correct?
- 14 A. Yes.
- Q. And here they found
- chrysotile asbestos in a sample. And
- they said it's probably not a
- 18 contaminant, correct?
- 19 A. They describe the talc
- samples labeled W. Gregg XR. I don't
- 21 know which mine that is from.
- In that letter, the author
- states that he found chrysotile asbestos
- 24 in the sample. Yeah. But what W. Gregg

```
XR sample is, I don't know.
1
2
                 MR. PLACITELLA: Give me
3
           179, please.
4
                  (Document marked for
5
           identification as Exhibit
6
           J&J-179.)
7
                 MR. PLACITELLA: This is
8
           180. Sorry. There's only one
9
           copy. I apologize.
10
    BY MR. PLACITELLA:
11
           O. 179 is from 1984 from
12
    McCrone to Roger Miller, correct?
13
                 We have two.
           Α.
14
                 Yes.
15
                 And what they did here is
           Q.
16
    they actually went and then looked at air
17
    samples, correct?
18
                 Yes. Roger Miller submitted
           Α.
19
    four air filter samples.
20
                 Right.
           0.
21
                 And they reported the --
           Α.
22
                 Air filter means --
           Ο.
23
           Α.
                 It's a personal --
24
                 -- what's in the air where
           Q.
```

- people are doing the work in the mine,
- ² right?
- A. Yes. It's a filter that you
- wear when you're working.
- ⁵ Q. And they found in all four
- of these samples, chrysotile asbestos
- ⁷ fibers, correct?
- A. They report that, although
- 9 it doesn't say which mine or which source
- it was. They report that they found
- 11 fibers on the filters.
- Q. Well, what mine was Windsor
- Minerals using in 1984? I thought we
- went over them all. Do you know which
- one it was? Well, your testimony will
- speak for itself. We don't have to do
- 17 that?
- A. No, I don't know which one
- 19 it was. But the company owned industrial
- mines as well as cosmetic mines. So what
- I said is I don't know which mine this
- ²² relates to.
- Q. Okay. But for example here
- it says they found chrysotile fibers

- 1 6x104. That's what 6,000 fibers.
- ² A. Yes.
- 9. 6,000 fibers?
- A. On a filter.
- ⁵ Q. On the filter. On one
- single filter, they found 6,000 fibers of
- ⁷ chrysotile asbestos, correct?
- 8 A. Well, that's what's written
- 9 in this memo, yes.
- 10 Q. Okay.
- 11 A. But like I say, which mine
- this was, we have no idea. The company
- owned mines in California as well as
- 14 Vermont.
- Q. So you think this is from a
- ¹⁶ California mine?
- A. I have no idea. I'm
- certainly not going to speculate.
- 19 O. How would we find out where
- this came from?
- A. I don't know.
- Q. I mean, these are documents
- that you gave us responsive to our
- ²⁴ discovery request.

- ¹ A. Yeah.
- Q. So if they didn't pertain to
- the Johnson's Baby Powder, what did you
- 4 give them to us for?
- MR. BICKS: Argumentive.
- MR. SILVER: Objection.
- ⁷ BY MR. PLACITELLA:
- 8 Q. Well, I didn't ask you for
- 9 documents that didn't pertain to Baby
- 10 Powder or Shower to Shower. Reportedly
- 11 you only gave us the documents that
- related to Johnson's Baby Powder, right?
- 13 A. Again --
- MR. BICKS: Objection.
- 15 Argumentative.
- 16 BY MR. PLACITELLA:
- 17 Q. I mean, you didn't give me
- 18 Japan documents, Australia documents,
- 19 Brazil documents. You gave me Windsor
- 20 Mineral documents?
- A. That's correct. Windsor
- Minerals documents related to the United
- 23 States.
- Q. Okay. Now, do you know

1 where the codes are that go with this? 2 There are no codes. Α. 3 0. I'm looking down here? 4 Sample 28911. Α. 5 I'm looking down here 0. 6 Reference 4055. 7 Do you see that down at the 8 bottom? 9 I don't know -- I have no 10 idea what that means, Reference 4055. 11 That's the general file with 12 all the test results for the Vermont 13 mines, right? 14 A. I have no idea. 15 You don't know? 0. 16 No, I don't know that. Α. 17 Okay. Can we figure that 0. 18 out maybe overnight? 19 Okay. So --20 MR. PLACITELLA: Give me 21 182. Oh, great. 22 Give me 228. 23 (Document marked for 24 identification as Exhibit

- J&J-228.
- ² BY MR. PLACITELLA:
- ³ Q. You've seen 228 before.
- ⁴ This is a report from 2004 concerning the
- 5 testing of Johnson's Baby Powder.
- ⁶ A. Is this the -- is this the
- ⁷ TV station?
- 9 Q. Yeah, the TV station got
- ⁹ ahold of your Baby Powder and hired an
- independent laboratory that did a test.
- 11 You know what this is, right?
- 12 A. Yes. I recollect this, yes.
- 13 Q. The company they hired was
- 14 called Maywood Laboratories, correct?
- A. Yes, it was.
- O. And Maywood Laboratories
- used TEM and looked at your Baby Powder,
- 18 correct?
- 19 A. They -- yes. TEM, yes.
- They did use TEM.
- Q. And they found asbestos,
- 22 correct?
- A. Well, they claimed to have
- done, although that was never confirmed

- when it was evaluated elsewhere.
- Q. All I'm saying is, reported
- 3 to you in this point in time was an
- ⁴ independent laboratory, looked at your
- ⁵ Baby Powder, and found asbestos, correct?
- A. They claim to have found
- ⁷ asbestos.
- 8 Q. Well, they wrote it down in
- ⁹ a report from a certified laboratory, and
- you got a copy, correct?
- MR. BICKS: Objection to the
- form.
- THE WITNESS: Well, there's
- a copy. And this is it. Yes.
- 15 BY MR. PLACITELLA:
- 0. Okay. Give me 255.
- 17 (Document marked for
- identification as Exhibit
- 19 Hopkins-255.)
- 20 BY MR. PLACITELLA:
- Q. By the way, did you -- you
- testified in the Herford trial that
- asbestiform minerals were found in
- Johnson Baby Powder by Bowling Green

- ¹ University.
- Do you recall that?
- A. That's documentation which
- 4 was presented on the Elmo. I've
- ⁵ certainly seen that report from Bowling
- ⁶ Green. They were two students, two
- ⁷ summer holiday students who were doing a
- 8 project. So yes, we have seen that.
- 9 Q. All I know is -- and that
- was reported to Johnson & Johnson,
- 11 correct?
- 12 A. It was indeed, yes.
- 0. Okay. Now, 255 is a memo
- 14 from Mr. Ashton to Dr. Hildick-Smith.
- Who is Dr. Smith?
- A. He was an M.D. qualified --
- he was head of a medical department back
- in the early '70s, Gavin Hildick-Smith.
- 19 Yes, I have met him.
- Q. Okay. And you've seen this
- memo before, right?
- A. I have seen it.
- Q. This is about testing that
- was done of a production batch for

```
1
    Johnson's Baby Powder, correct?
2
                 This is a bit more of the
           Α.
3
    Mount Sinai Dr. Langer story.
4
                 Right. And what --
           0.
5
    Mr. Ashton says that if -- in his
6
    opinion, that if the Baby Powder is
7
    tested, it's going to show needle-like
8
    fibers of tremolite, correct?
9
                 MR. BICKS: Objection to
10
           form.
11
                  THE WITNESS: Well, what he
12
           says is that we considered free
13
           non-talc needles for the trace.
14
           And he goes on to say, "If such an
15
           assay were to be run by
16
           microscopists" -- I cannot read
17
           the word, something with the --
18
           maybe it's -- "aware of the
19
           differences between fibrous talc
20
           and broken talc plates and
21
           tremolite, they would expect them
22
           to report 5.5 percent needles by
23
           count." Because they were
24
           overestimating the needles,
```

```
1
           mistaking them for broken talc.
2
    BY MR. PLACITELLA:
3
           Q. And what he says is that he
4
    ran a test and it showed that the
5
    minerals were present and that there was
6
    tremolite/actinolite in the samples, in
7
    the production samples, right?
8
    Ashton or Mr. Ashton found it himself.
9
    That's what it says?
10
                 MR. BICKS: Objection to the
11
           form.
12
                  THE WITNESS: What he wrote
13
           is I touched on it -- I touched --
14
           I run an x-ray diffractograph on
15
           the batch," whatever that batch
16
           was. "It showed that the minerals
17
           are present, " and talc is,
18
           chlorite -- mica, chlorite,
19
           tremolite/actinolite and
20
           magnesite. Might be some
21
           carbonate.
22
    BY MR. PLACITELLA:
23
           O. So Johnson & Johnson ran
24
    their own tests and found tremolite and
```

```
1
    actinolite in the talc used in Johnson's
2
    Baby Powder, correct? That's what it
3
    states?
4
                 MR. LOCKE: Objection to
5
           form.
6
                 THE WITNESS: He reports
7
           that he found
8
           tremolite/actinolite -- dash
9
           actinolite.
10
                 MR. PLACITELLA: Can you
11
           give me 19?
12
    BY MR. PLACITELLA:
13
           Q. You have 19. Do you have 19
14
    in front of you?
15
           A. Do I?
16
           O. Yeah. You should. It's a
17
    July 29, 1971 Johnson & Johnson memo. We
    did that. We did this. We don't have to
18
19
    do it again.
20
                 MR. PLACITELLA: Give me 44.
21
                  (Document marked for
22
           identification as Exhibit
23
           J&J-44.)
24
    BY MR. PLACITELLA:
```

- 1 Q. 44 is an April 26, 1973,
- memo from Petterson copied to Miller and
- ³ Ashton. It's sent directly to DD
- ⁴ Johnston. Who is that?
- A. I don't know. I don't know
- that I ever met DD Johnston.
- 7 Q. And you've seen this before
- 8 many times, correct?
- ⁹ A. Bear with me. Yes.
- Q. And it starts out by saying,
- "It is our joint conclusion that we
- should not rely on the clean mine
- ¹³ approach as a protective device for Baby
- 14 Powder in the current asbestos or
- asbestiform controversy."
- Do you see that?
- 17 A. Yes. That was a fair
- 18 comment in 1973.
- Q. Okay. And on the next page
- when he talks about Baby Powder, do you
- 21 see that?
- A. Yes.
- Q. And he states, when he's
- talking about Baby Powder, that there

```
1
    will occasionally be sub-trace quantities
    of tremolite or actinolite that can be
2
    classified as asbestos fiber, correct?
4
                  That's what he wrote in
           Α.
5
    1973.
6
                  MR. PLACITELLA: Now give me
7
           185.
8
                  (Document marked for
9
           identification as Exhibit
10
           J&J-185.)
11
    BY MR. PLACITELLA:
12
                  185 is a March 30, 1987,
13
    letter to Roger Miller, correct, from
14
    Johnson & Johnson?
15
           Α.
                  Yes.
16
                  Okay. And in that report
17
    you detail the amphibole particles that
18
    were found, correct?
19
                  MR. BICKS: Objection to the
20
           form.
21
                  THE WITNESS: It says, "The
22
           accompanying table reports the
23
           amphibole particles per slide of
2.4
            27 samples, submitted March 1987.
```

- No fibrous forms observed."
- 2 BY MR. PLACITELLA:
- Q. And below there, you
- 4 actually detail all of the amphiboles
- 5 that you find, correct?
- A. Yes. They are broken down
- ⁷ into the different mining operational
- ⁸ areas from what is described as tails,
- 9 concentrates, middlings.
- 0. All over the mine?
- A. Well, no. This is a
- 12 process. They are looking at the various
- samplings during the processing of talc.
- Q. Okay. And if you go to
- Bates Number 44325.
- Do you see that?
- 17 A. I do, yes.
- Q. When they refer to
- tremolite, they refer to it as being in
- free needle form, correct?
- A. "Tremolite in 6 volume
- percent is free" -- "free needles in the
- loose grain mounts."
- Yes, they've used that word.

```
1
                 So they found 6 percent of
           0.
2
    what they were looking at to be free
3
    needles of tremolite, correct?
4
                 MR. BICKS: Objection to
5
           form.
6
                  THE WITNESS: I'm not sure.
7
           It says 6 percent. This relates
8
           to --
9
    BY MR. PLACITELLA:
10
                 6 volume percent, it says?
11
                 Yeah, but I'm not sure what
           Α.
12
    it is that they are measuring. When we
13
    look at that, it's something on a
14
    microscope slide.
15
                 But when they are
16
    characterizing the tremolite, they're
17
    characterizing it as needles, correct?
18
                 They use that word back at
           Α.
19
    that time, yes. They used that word.
20
                 MR. PLACITELLA: Okay. Can
21
           you give me 229, please.
22
                 We did this one. Yeah, we
23
           did this one.
24
                 Give me 164.
```

```
1
                  (Document marked for
2
           identification as Exhibit
3
           J&J-164.)
4
    BY MR. PLACITELLA:
5
                  164 is a handwritten note
           0.
6
    dated February 9, 1979. Do you see that?
7
           Α.
                  It is, yes.
8
                 And it has the name Harold
9
    Cohen. Do you know who he is?
10
                  I don't think I ever met
           Α.
11
    Mr. Cohen, no. It says baby products
12
    quality control.
13
                 And it says they did
14
    analytical research and found massive
15
    amphiboles in the 66 composite sample on
    November 6th and 10th.
16
17
                  Do you see that?
18
           Α.
                 Yes.
19
                 And the sample was then
20
    forwarded to George Lee's group where the
21
    presence of amphiboles was confirmed, and
22
    they identified those amphiboles as
23
    tremolite and actinolite, correct?
24
                  That is what is written.
           Α.
```

```
1 Q. And so in 1979 it was
```

- ² reported that in the Vermont 66 talc,
- 3 there was tremolite and actinolite both
- 4 by Johnson & Johnson itself and its
- outside consultant RJ Lee, correct?
- 6 MR. BICKS: Objection to the
- ⁷ form.
- 8 THE WITNESS: I don't see RJ
- ⁹ Lee mentioned on this.
- 10 BY MR. PLACITELLA:
- 0. Or George Lee. Isn't that
- 12 RJ Lee?
- 13 A. No, no George Lee is a
- 14 scientist in Johnson & Johnson --
- Q. Oh, so you have two
- different -- I'm sorry. Then I was
- mistaken. So two different people in
- 18 Johnson & Johnson found tremolite and
- 19 actinolite?
- A. Well, I don't see George Lee
- mentioned in this memo. It's a note.
- Q. Well, it says the sample was
- forwarded to George Lee's group?
- A. Okay, or George --

1 Where the presence --0. 2 A. Fine. 3 Q. -- of amphiboles was 4 confirmed, correct? 5 George -- George Lee was a Α. 6 scientist in baby products company. 7 Okay. 0. 8 Nothing to do with RJ Lee. 9 Q. Okay, good. I'm glad you 10 cleared that up. 11 Now, give me Imerys-7. 12 MR. PLACITELLA: You don't 13 have that one. 14 How about 6? I guess we 15 have to do this tomorrow. You 16 don't have a 6. What's going on. 17 Give me 5. 18 (Document marked for 19 identification as Exhibit 20 J&J-5.) 21 MR. SILVER: The Bates 22 number, Chris? 23 MR. PLACITELLA: This is 24 something that was just produced.

		11 11 11 11 11 11 11 11 11 11 11 11 11
1		I don't think it has a Bates
2		number.
3		MR. SILVER: There's no
4		document in the MDL that doesn't
5		have a number.
6		MR. PLACITELLA: Michelle
7		or, I mean, Lea will tell you.
8		She
9		MS. O'DELL: It was provided
10		through
11		THE COURT REPORTER: I can't
12		hear you. I'm sorry.
13		(Discussion held off the
14		record.)
15		MR. SILVER: I just wanted
16		to know what the statement was if
17		wasn't produced with a Bates
18		number for some reason.
19		MS. O'DELL: Well, the point
20		was, to be clear, it was produced
21		in a native file. And the file
22		name has a Bates number and
23	BY MR.	PLACITELLA:
24		Q. This was just sent to us.
1		

- 1 It's labeled TEM asbestos analysis of
- ² Argonaut product composites.
- Do you see that? Have you
- ⁴ ever seen this before?
- A. No, this is -- this is
- summary dated last week, August 8, 2018.
- ⁷ Q. Yeah. But do you see that
- ⁸ it refers to samples dating back to 2004
- ⁹ and 2005?
- 10 A. Yes. Although at that
- point, Johnson's Baby Powder was no
- longer being sourced from this operation.
- 13 It was sourced from China.
- Q. In 2004, 2005, you were only
- 15 getting it from China?
- A. From 2003 onwards.
- Q. Well, when in 2003?
- A. I believe the beginning of
- 19 2003. But I'm not sure. I think it was
- Quarter 1.
- O. Okay. Well, how about in
- 22 2002? Were you still getting it from the
- 23 Argonaut mine?
- ²⁴ A. Yes.

- Q. Okay. If we go to Page 4,
- do you see where in 2002 they found
- 3 chrysotile asbestos on September 2002 in
- 4 the float feed?
- ⁵ A. I see that. In the float
- ⁶ feed. Yes, I see it.
- 7 Q. And --
- A. One structure reported, yes.
- 9 Q. And then in June, May, if
- you go to the next page, April, they
- 11 found chrysotile asbestos in the Ludlow
- mine, correct?
- 13 A. Yeah, what -- what isn't
- clear to me is that, although it's headed
- 15 "Asbestos TEM Analysis of Argonaut
- Product Composites," we've used -- the
- author of this used the word "Ludlow."
- 18 And that is not the word that I've seen
- described in the Argonaut. Ludlow is a
- location, an area. And --
- O. Well --
- A. I don't believe that's where
- the Argonaut mine is, but --
- Q. Well, this was provided to

```
1
    us in discovery and it details chrysotile
2
    being found, according to this, in the
    Argonaut product composites, in 2002,
4
    2003, 2004, 2005, and 2006, correct?
5
                 MR. LOCKE: Objection.
6
                 MR. SILVER: Objection to
7
           form.
8
                 THE WITNESS: Well, it's
9
           described as Ludlow. Ludlow fine,
10
           Ludlow coarse. Ludlow fine,
11
           Ludlow coarse. And obviously this
12
           is still being used, or at least
13
           was being used up until 2005.
14
                 And the point that I'm
15
           making is my understanding of the
16
           description that Johnson's powders
17
           were used up until 2003 was from
18
           the Argonaut mine, the Argonaut
19
           pit. And this mentions Ludlow.
20
    BY MR. PLACITELLA:
21
                 So -- right. So if this
           0.
22
    is --
23
           A. Confused.
                 If this is from composite
24
           Q.
```

```
1
    samples at the Argonaut mine, it is
2
    indicative of the fact that they were
    finding chrysotile from product that was
4
    being generated from the Argonaut mine,
5
    correct?
6
                  MR. SILVER: Objection to
7
           form.
8
                  MR. BICKS: Objection to
9
           form. You are speculating.
10
                                No, we're
                  THE WITNESS:
11
           speculating. I mean, what is
           interesting, if you look at Page 5
12
13
           of six, the very last item, it
14
           does actually specify the grade
15
           that was used in Baby Powder, as
16
           opposed to something that wasn't.
17
                  Grade 66 is specified.
18
           There wasn't mention -- there's no
19
           mention of chrysotile.
20
                  So, you know, that's the
21
           point that I'm making, is that
22
           this -- this is not clear that
23
           this ever was Johnson's Baby
24
           Powder.
```

```
1
    BY MR. PLACITELLA:
2
                  I quess we have to take
3
    the -- when it says "float," by the way,
4
    that's what goes into Johnson's Baby
5
    Powder, correct?
6
                 MR. SILVER: Objection to
7
           form.
8
                  THE WITNESS: The float feed
9
           goes into the flotation process
10
           which is the washing process. And
11
           the process that cleans up the
12
           talc, washes the particles, and
13
           dries them.
14
    BY MR. PLACITELLA:
15
                 Right. And the float feed
           0.
16
    is what ends up in the product, correct?
17
                 MR. SILVER: Objection to
18
           form.
19
                  THE WITNESS: No, no, no.
20
           Only some of the float feed ends
21
           up in the product.
22
    BY MR. PLACITELLA:
23
           O. Okay. And in the float
    feed, they found from the Argonaut mine
24
```

```
1
    chrysotile asbestos, correct?
2
                 MR. SILVER: Objection to
3
           form. Misstates the document.
4
                 THE WITNESS: Well, again,
5
           what this says, it doesn't say the
6
           Argonaut mine. Each of those
7
           identities relates to the Ludlow.
8
           Ludlow coarse, Ludlow fine. Only
9
           one of them at the bottom, Page 5,
10
           it actually says Grade 66, which
11
           is an identifier for the material
12
           that's used in Baby Powder.
13
    BY MR. PLACITELLA:
14
                 So what period of time were
15
    you using the Ludlow mine for Baby
16
    Powder?
17
                 I'm not aware the Ludlow
18
    mine was used. I mean, it's -- I don't
19
    know what the descriptor is for Ludlow
20
    mine versus Argonaut. The descriptor
21
    that I've seen for talc usage up to this
22
    point would be the Argonaut mine. What
23
    the Ludlow fine and Ludlow coarse is, I
24
    have no idea.
```

- Q. Okay. So we have to ask
- ² Imerys those questions. Fair?
- A. I think that's reasonable.
- ⁴ Yes.
- Okay. Now, I know you've
- been asked this many times, but I have to
- ⁷ create a record. You're aware that
- Johnson & Johnson hired Alice Blount as a
- 9 consultant at some point in time?
- 10 A. She was one of many, many
- people who have been hired, if that's the
- 12 right word to provide opinion advice.
- 0. All right. And she worked
- 14 for Rutgers University at the time that
- you hired her, correct?
- A. I believe that is the case,
- 17 yes.
- Q. And you're aware that
- Dr. Blount in or about 1991 tested your
- Baby Powder and found asbestos, correct?
- MR. BICKS: Objection to the
- 22 form.
- 23 BY MR. PLACITELLA:
- Q. That's what she reported?

1 She reported a finding. Α. Her 2 publication did not specify that she found asbestos in Johnson's Baby Powder. There is a handwritten annotation stapled 4 5 to that report whereby a product designated "I", letter I, was claimed to 6 7 be Johnson's Baby Powder. 8 Yeah, but she told you 9 privately that it was Johnson's Baby 10 Powder that she found asbestos in, 11 correct? 12 MR. BICKS: Objection to the 13 form. 14 THE WITNESS: Again, I've 15 not seen any private 16 correspondence. What I have seen 17 is her deposition in a recent case 18 whereby it was quite apparent that 19 she was really quite confused as 20 to what she had been looking at. 21 She used the designation "I" for 22 things other than Baby Powder. 23 BY MR. PLACITELLA: 24

Sir, did I ask you anything

```
about her deposition?
1
2
                 No, you didn't.
           Α.
3
                 What was my question?
           0.
4
                 You said that she told --
           Α.
5
    told the company privately.
6
                 Right.
           0.
7
                 And what I said was I don't
           Α.
8
    have that information privately.
9
                 You don't know that
10
    privately, Alice Blount told the company
11
    that she found asbestos in the Johnson's
12
    Baby Powder?
13
                 MR. BICKS: Objection to the
14
           form.
15
                  THE WITNESS: If there is a
           document, then we can say, yes,
16
17
           this is what she wrote. But I
18
           don't have any documentation. I
19
           have not seen that private
20
           documentation.
21
    BY MR. PLACITELLA:
22
             Are you sure about that?
           Ο.
23
           A. Well, I've seen, as you've
24
    said, many -- 10-, 20,000 documents.
```

1 don't recollect seeing that one. But I'm 2 happy to comment if such a private --3 Q. I'm just asking what you 4 know. 5 No. In that case then, I've Α. 6 not seen a private communication from Dr. 7 Blount. 8 MR. PLACITELLA: Can you 9 give me --10 MR. SILVER: Can I have a 11 time check, please. 12 THE VIDEOGRAPHER: We are at 13 six hours and 57 minutes. 14 MR. PLACITELLA: I've got 15 three more minutes. We'll see you 16 tomorrow. 17 THE WITNESS: You sure? 18 MR. PLACITELLA: Yes. 19 THE WITNESS: Okay. 20 MR. PLACITELLA: I've got 21 three more minutes. 22 THE WITNESS: Sleep well. 23 MR. PLACITELLA: Have a 24 drink.

```
1
                   THE VIDEOGRAPHER: Off the
2
            record, right? Stand by, please.
            The time is 6:12 p.m. Going off
3
4
            the record.
5
                    (Excused.)
6
                    (Adjourned at approximately
7
            6:12 p.m.)
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
```

```
1
2
                    CERTIFICATE
3
4
5
                  I HEREBY CERTIFY that the
    witness was duly sworn by me and that the
6
    deposition is a true record of the
    testimony given by the witness.
7
                  It was requested before
8
    completion of the deposition that the
    witness, JOHN HOPKINS, Ph.D., have the
9
    opportunity to read and sign the
    deposition transcript.
10
11
12
           MICHELLE L. GRAY,
           A Registered Professional
13
           Reporter, Certified Shorthand
           Reporter, Certified Realtime
14
           Reporter and Notary Public
           Dated: August 20, 2018
15
16
17
                  (The foregoing certification
18
    of this transcript does not apply to any
19
    reproduction of the same by any means,
20
    unless under the direct control and/or
21
    supervision of the certifying reporter.)
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1 INSTRUCTIONS TO WITNESS 2 3 Please read your deposition 4 over carefully and make any necessary corrections. You should state the reason 5 6 in the appropriate space on the errata 7 sheet for any corrections that are made. 8 After doing so, please sign 9 the errata sheet and date it. 10 You are signing same subject 11 to the changes you have noted on the 12 errata sheet, which will be attached to 13 your deposition. 14 It is imperative that you 15 return the original errata sheet to the deposing attorney within thirty (30) days 16 17 of receipt of the deposition transcript 18 by you. If you fail to do so, the 19 deposition transcript may be deemed to be 20 accurate and may be used in court. 21 22 23 24

Case 3:16-md-02738-MAS-RLS Document 16133-1. Filed 12/22/20 Page 590 of 747 PageID:

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1	
2	ACKNOWLEDGMENT OF DEPONENT
3	
4	I,, do
5	hereby certify that I have read the
6	foregoing pages, 1 - 434, and that the
7	same is a correct transcription of the
8	answers given by me to the questions
9	therein propounded, except for the
10	corrections or changes in form or
11	substance, if any, noted in the attached
12	Errata Sheet.
13	
14	
15	
16	JOHN HOPKINS, Ph.D. DATE
17	
18	
19	Subscribed and sworn
	to before me this
20	, day of, 20
21	My commission expires:
22	
	
23	Notary Public
24	

1			LAWYER'S NOTES
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Exhibit 21

505 KING AVENUE COLUMBUS 1, OHIO

April 12, 1960

Mr. H. L. Warner Office of General Counsel Johnson and Johnson New Brunswick, New Jersey

Dear Mr. Warners

This letter report covers the flotation studies made in our laboratory in connection with the preparation of the patent application "Platy Talo Beneficiation".

All of the experiments discussed in this report were made using Italian No. 2 talc. The first five experiments were made to determine whether anionic surface active agents other than the Aerosols, 18 or OT, were effective in selective flotation of platy talc. Four anionic reagents were selected for the study. These are listed in Table 1.

TABLE 1. ANIONIC REAGENTS STUDIED

Trade Name	Class or Formula	Main Vees
Duponal ME	Sedium lauryl sulfate	Detergent, dispersent, emulsifying agent
Anatron L215	Alkyl amide sulfonate	Detergent
Tergital P28	Sodium di (2-ethyl hexyl) phosphate	Wetting agent, emulsi- fying agent
Igepon T	A substituted amide C ₁₇ H ₃₃ CON(CH ₃)C ₂ H ₄ SO ₃ Na	Detergent

Based on the available flotation literature, it appears that two of the reagents, Anatron L215 and Igepon T, have the same formula. The difference between them is that they are marketed as powders at different concentrations, Anatron L215 at 16 per cent and Igepon T at 33 per cent.

The results of the experiments in the current program, as well as the results of seven previously reported experiments, are presented in Table 2.

TABLE 2. SUMMARY OF FLOTATION EXPERIMENTS WITH SURFACE ACTIVE REAGENTS

ct												
ve O					Flotation			Result	Results, Float 1(a)	(a)		
rde	Feed				Reagents, 1b/ton of flotation feed			Mineral	Mineral Count, per cent	ir cent		
ë Experiment	Solids,	Æ	Ę	Dowfroth 250	,	Weight Per Cent(b) I	Platy No Talc	Nonplaty Talc	Dolomite	Dolomite Tremolite	Others	Per Cent Dolomite(c
163(4)	7.2	8.9		1			95(e)	>4 (e)	trace	trace	trace	4.0
162(d)	7.2	6.4	1.79	1		34.4		4	trace	1	trace	0.2
96(f)	8.4	7.5	1.75	1	0.07 - Dowfroth 200		86	·	1	♥	trace	0.5
134(f)	8.0	6.7	1.77	0.07			6 0	-	⊽	⊽	trace	0.3
187(4)	7.3	7.5	ł	1	1.32 - Aerosol OT	^	7	%	trace	trace	trace	6.0
182(d)	7.4	8.9	1.73	0.04	0.74 - Aerosol 18		6	7	trace	trace	trace	0.4
189(d)	7.0	6.8	1.80	0.0	Aerosol 18		œ	ベ	trace	trace	trace	9.0
328	8.6	7.2	1.38	9.0			7	7	♥	trace	trace	8.0
329	8.7	7.0	1.37	°.8	0.058 - Sodium Lauyrl Sulfate - Anionic		æ	₽	trace	trace	trace	
330	8.4	7.2	1.42	0.05	 Alkyl Amide Sulfonate - Ani 		8	₽	trace	trace	trace	
331	8.4	7.1	1.42	0,05			œ	♥	trace	trace	trace	
332	8.7	7.2	1.37	0.05	0.46 - Substituted Amide C ₁₇ H33CON(CH3)C2H4SO ₃ Na - Anionic		œ	7	trace	trace	trace	
334	8	6.9	1,35	0.0	- Irimethyl-n-dodecyl ammonium		œ	∵	trace	trace	trace	4.
335	89 80	7.4	1,35	0.05	0.46 - Trimethyl-n-dodecyl ammonium chloride - Cationic		œ	7	trace	trace	trace	
336	0.6	7.6	_	0.04	0.45 - Octylamine - Cationic		9	×3	⊽	trace	trace	0.7
337	0.6	7.5	_	0.04	 Octylamine - Cationic 			%	ℴ	trace	trace	o•3
338	8.9	7.3	1.35	9.0	0.17 - Hexadecyl Dimethyl Amine - Cationic			trace	trace	trace	trace	0.3
336	8°8	8.9	1.36	0.05	- Sorbitan Monolaurate - Noni			trace	trace	trace	trace	e.0
340 046	9.8	7.2	1.39	0.05	0.47 - Sorbitan Monolaurate Polyoxyethylene Derivative - Nonionic			₽	trace	trace	trace	0.2
341	8.6	6.7	1.39	0.05	0.47 - Secondary Amide of Lauric Acid - Nonionic	72.9 99		race	trace	trace	trace	0.2
342	0.6	7.0	1.32	0.04	0.45 - Nonyl Phenyl Polyethylene Glycol Ether - Nonionic			7	♥	trace	trace	0.5
343	0.6	9.9	1.31	0.04	0.44 - Oleic Acid Plus Sodium Oleate - Anionic Collector	78.5 <95		4	7	trace	trace	0.9

Float 1 is froth removed in five minutes.

Based on flotation feed
Calculated from CO₂ assay.

See "The Physical Concentration of Italian No. 2 Talc by Flotation—Investigation of Flotation Reagents",
Battelle Progress Report, January 31, 1960.

This is a corrected figure. The figure shown in the January 31, 1960, report was 92 per cent. A recount in duplicate) was made of the product and showed it to be 95 per cent platy.

See "The Physical Concentration of Talc Ores—Flotation of Italian No. 2 Talc", Battelle Progress Report, July 31, 1959.

(e) GOQ (f)

3 Mr. H. L. Warner

April 12, 1960

Page_

The results of Experiments 328 to 332, inclusive, revealed that three of the four anienic respents tested were about as effective as the Aerocole; the data for the fourth were not conclusive.

The only reagent that did not give results as good as the Aerosols was Anstron 1215, Experiment 330. It appears that the low recovery of 56.5 per cent may have been due to an insufficient amount of the reagent. Recoveries equal to that obtainable with the Aerosola were achieved with the other reagents, and in addition the dolomite content was lower. Had the anionic surface active agents been ineffective, it would have strengthened the patent application for the Asresols.

When the results from the experiments using anionic respents were available, Mr. Warburton transmitted this information to you by telephone. The decision was made to proceed with a limited amount of additional laboratory work in order to obtain some idea of the scope to be included in the application.

Since the experimental work previously described was limited to anionic surface active agents, it was decided to broaden the field. Therefore, cationic and nonionic surface active reagents, as well as one fatty acid type collector, were selected for the new investigations. Eight reagents were chosen, primarily because of their definite composition and availability; these are shown in Table 3.

TABLE 3. CATIONIC, MONIONIC, AND ANIONIC REAGENTS STUDIED

Trade Name	Class or Fermula	Туре	Main Vees
Arqued 12	Trimethyl-n-dodecylammonium chloride	Cationic	Wetting agent, detergent
Armeen 8D	Octylemine	**	Collector
Armeen 16D	Hexadecyl dimethyl amine	**	Collector
Span 20	Sorbitan monelaurate	Menionic	Emulsifying agent
Tween 21	Sorbitan monelaurate polyoxy- athylene derivative	**	Wetting agent, dispersant
Wetsyn	A secondary amide of lauric	#	Wetting agent, detergent
Tergital NPX	Nonyl phenyl pelyethylene glycol other	*	Wetting agent
****	Oleic acid-sodium oleate emulsion	Anienic	Collector

Mr. H. L. Warner

Page___

April 12, 1960

Experiments 334 to 342 gave results not only equal to that obtainable with the Aerosols, 18 or CF, but better. In Experiment 342, a weight recovery of 82.6 per cent of the flotation feed with a platy talk content of 98 to 99 per cent, and a delemite assay of 0.5 per cent was obtained in the standard 5-minute period designated Float 1. In Experiment 182, in which Aerosol 18 was used, the weight recovery in Float 1 was 70.8 per cent.

The only experiment in this series in which the results were not satisfactory was 343. In it, an emulsion of claic acid and sodium cleate was used. The froth product from Experiment 343 centained almost 1 per cent dolomite and santained thick chunklike particles of talc, which definitely could not be classed as platy.

The conclusions from this work are as follows:

- (1) Eleven more reagents have been found, and there may be many more; that can be used to float platy talc selectively, i.e., when the starting feed is 90 per cent platy talc.
- (2) The reagents tried and shown to be successful in this study of the Italian No. 2 tels should now be tried on lower grade tale ores such as the Handerson run-of-mine tale where the magnitude of the upgrading is so much greater.
- (3) These reagents should be tried in the absence of any Dowfreths. This was not done in Experiments 328 to 343, inclusive, because the bulk of the previously reperted work, and likewise the best experiments, were carried out using a combination of the Aerosols, either 18 or CT, and Dowfroth.
- (4) These reagents should now be considered for use in any new pilot-plant run.
- (5) The experiments should be confirmed by duplicate tests.
- (6) The best reagents should be evaluated with relation to their seet per ton of feed.

A portion of the closing remarks in the Battelle report, "The Physical Concentration of Italian No. 2 Tele by Flotation---Investigation of Flotation Respons", January 31, 1960, are also applicable to this letter report and are repeated below.

Mr. M. L. Warner

Page_5

April 12, 1960

"This report fulfills the commitment for the evaluation of additional responts for the flotation of platy tale; undoubtedly, other responts neither investigated nor considered might do as well or even better. However, to uncover them would require a much more comprehensive program."

The original notes on the laboratory work described in this report are recorded in Battella Laboratory Record Book No. 16565, pages 6 to 30, inclusive.

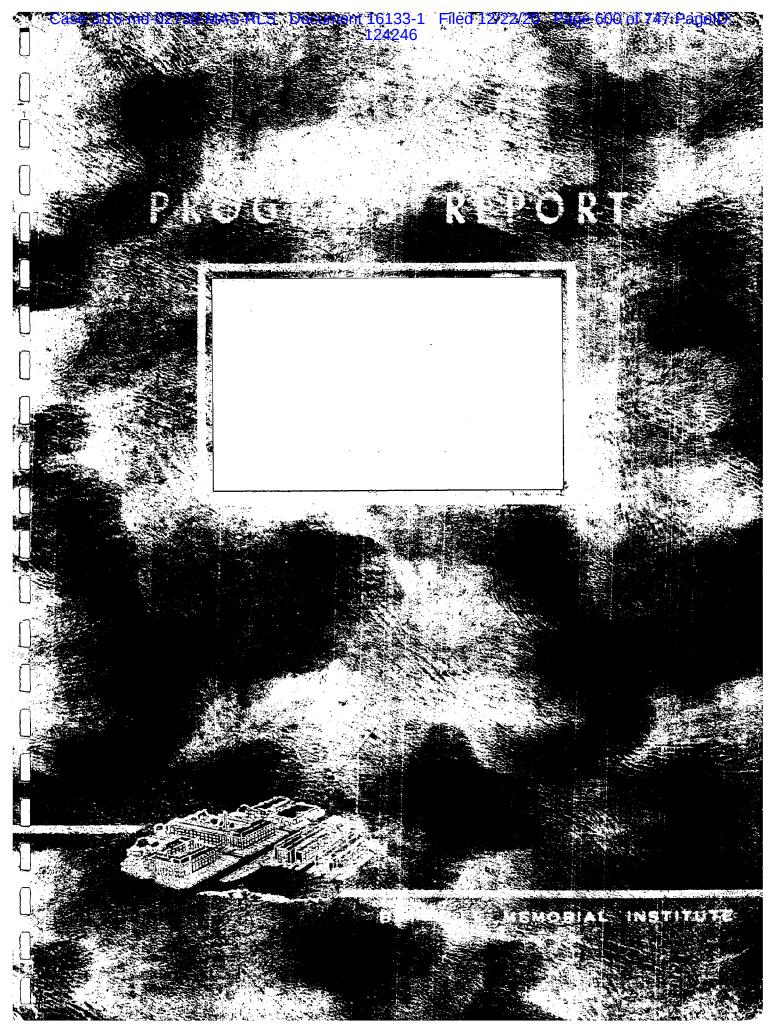
We would be pleased to answer any questions that you may have regarding this work.

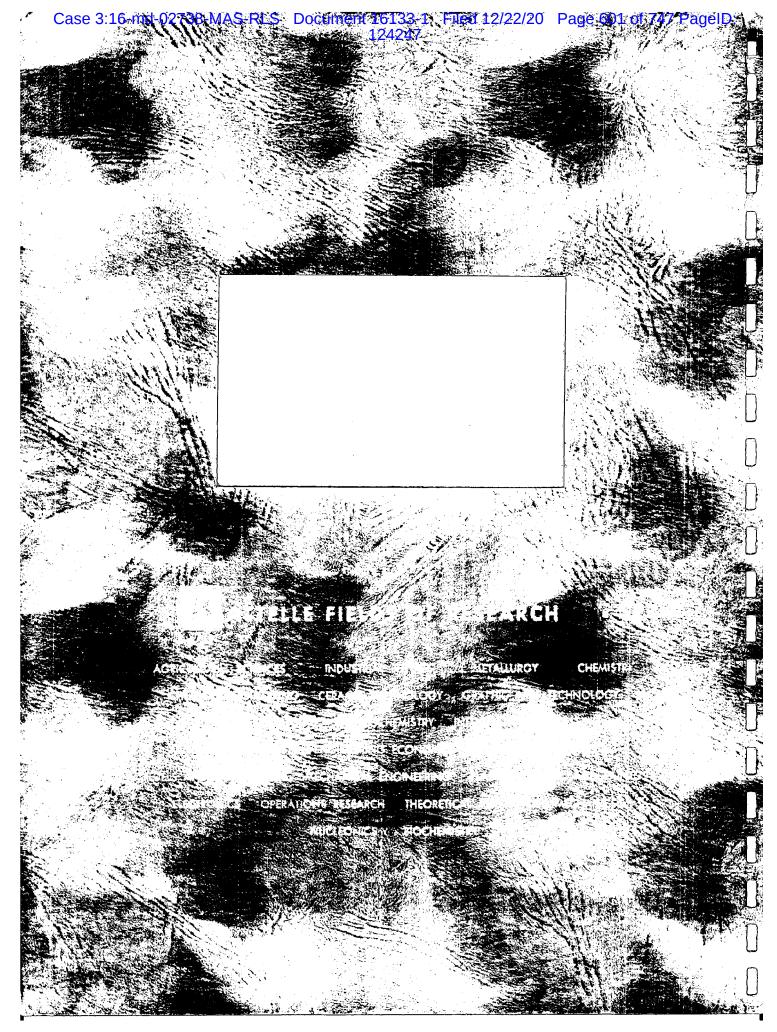
Very truly yours,

W. E. Chase

WEC:1b In duplicate es: Mr. W. H. Ashton (2)

Exhibit 22





PROGRESS REPORT

on

STUDIES OF THE PHYSICAL PROPERTIES OF TALC, THEIR MEASUREMENT, AND COMPARISON

to

JOHNSON AND JOHNSON

October 15, 1957

by .

W. L. Smith

BATTELLE MEMORIAL INSTITUTE
505 King Avenue
Columbus 1, Ohio

Case 3:16-md-02738-MAS-RLS Document 16133-1 Filed 12/22/20 Page 603 of 747 PageID: 124249

K-3262-2 OK'd by O. F. Tangel and A. C. Richardson before typing.

Eatherson Macdonald Institute

W. L. Smith (3)

October 25, 1957

Dr. W. H. Lycan
Director of Research
Johnson and Johnson
New Brunswick, New Jersey

Dear Dr. Lycan:

This letter transmits six copies of our report "Studies of the Physical Properties of Talc, Their Measurement, and Comparison".

At the present stage of this investigation it can be seen that the lubricity of the Italian talc is closely related to its purity, crystalline habit, and particle-size distribution and is expressed in bulk density, surface area, porosity, and average diameter measurements. The acceptable Italian talc was found to fall within a small range of physical measurements. Lubricity was found to be controlled by the shape of the relatively small content of comparatively larger particles in the otherwise finer mixture.

It appears feasible that the slip of the Italian talc may be improved by the removal of the coarser mineral contaminants.

Your comments on the findings of this investigation will be appreciated.

Very truly yours,

W. I Smits

W. L. Smith

Principal Geologist

Minerals Beneficiation Division

WLS:rr Enc. (6)

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STUDIES OF THE PHYSICAL PROPERTIES OF TALC, THEIR MEASUREMENT, AND COMPARISON

by

W. L. Smith

SUMMARY

In order to improve the physical properties of talc it is necessary to be able to measure the differences in talc and to establish a basis for the determination of improvement. To study the lubricous property of talc, an experimental lubricity measuring device was built, and the behavior of different talc samples was compared with their other physical properties. The comparative physical measurements were made upon sized fractions and whole samples of Italian talc with conventional laboratory devices. It was found that the acceptable Italian talc fell within a small range of the physical measurements and that the samples with the more desirable slip have the greater surface area, the smaller average particle diameter, the greater ratio of voids to total volume, and the lesser bulk density. Lubricity was found to be controlled by the shape of the relatively small content of comparatively larger particles in an otherwise finer mixture. At the present stage of the investigation, the improvement of the slip of the Italian talc appears feasible by the removal of the coarser mineral contaminants.

INTRODUCTION

The talc currently used by Johnson and Johnson, obtained from Pinerolo, Italy, is believed to be a blend of five or more different grades of ore which gives a high quality, lubricous powder. In a proposal for research on the improvement of the properties of talc, dated June 4, 1956, it was proposed to study the basic properties of the acceptable Italian talc and to determine if and how the quality might be improved. The development of objective tests which might serve in the evaluation of talc was recommended, with the initial work to be done upon the product now used by Johnson and Johnson.

In order to determine improvement in the quality of talc, however, it is necessary to measure the apparently small differences between acceptable talc and talc of lower quality. Previously, measurements have been made by subjective methods only, which were thought to be of insufficient precision to measure small differences. The development and correlation of physical measurements has been undertaken to permit the measurement of improvement. The measurements of the physical properties of acceptable talc, and their range, have been made upon a series of one kilogram samples of grade "EGT Extra 00000" taken at weekly intervals from the conveyor at the Cranford, New Jersey, plant just before the talc enters the ribbon blendors. An additional large sample of talc was obtained for tests requiring larger volumes of material.

As a test for the comparative lubricity of talc samples, a lubricity board was constructed. This device, though not providing absolute values, gives reproducible

2

relative figures, with which the other physical properties, which can be more easily measured, may be correlated. This study, when coupled with proposed work on abrasiveness and other properties, should indicate the course to follow in beneficiation, the primary work on which Battelle reported in a letter dated June 12, 1957. The flotation work to date has been a laboratory expedient of producing talc of superior quality for physical tests.

/ DISCUSSION OF LUBRICITY

This report deals with lubricity and other physical properties including particlesize distribution and surface area, which are pertinent to lubricity. The desirable
quality in talc, however, is only partly a matter of lubricity. That is, talc with the
desired "feel" (as sensed subjectively) is not determined either by very high or very
low lubricity (diminution of friction) but by a balance of physical properties which
produces a particular sensory effect. This quality is referred to in this report as slip.
The primary determining factor is the platiness of fine grained particles sliding over
one another under slight pressure — not being lubricous in the sense of bearings which
cut down friction by transmitting the moving forces to the rolling of an intermediate
body, producing point friction; not being lubricous in the sense of a viscous fluid which
buffers contact; but being lubricous in the sense of leaves which impart the
relative movement of two bodies along several planes parallel to the contact, producing
the sensation of softness of surface contact.

The nature of the sliding of the platelets is a matter of kinetics, the changes in types of motion produced by applied forces. A certain intensity of force is required to maintain sliding between any two surfaces, and this varies with the nature of the surfaces. When the applied force is distributed along numerous planes rather than between two surfaces, the resistance to relative motion between the two bodies is distributed among a series of translation movements rather than in a rotational movement or in the overcoming of inertia in one plane. Inasmuch as the coefficient of sliding friction is apparently much less between talc platelets than between talc and flesh, the total friction resulting from the sum of translation movements is necessarily less than that of flesh in contact with flesh, and thus the lubricous property is sensed. The force producing the relative motion of two bodies is applied to the several planes of free moving talc platelets, which orient their greatest surfaces normal to the force applied; the contact of this series of parallel talc planes with flesh produces the silky or smooth sensation desirable in high quality talcum powder.

Grit (granular and acicular particles), where present, introduces point friction as in bearings, or plowing and thus is the primary objectionable contaminant in talcum powder.

The lubricousness or slip of talcum powder is determined by its mineralogical purity, the crystallographic habit of the talc, the size distribution of the powder, its moisture content, and the nature of the contaminants. Most of these factors must be determined petrographically, often on separated fractions of the powder. Other physical properties, such as surface area, average diameter, porosity, and bulk density, may be measured mechanically. Such physical measurements have been made, and the data have been correlated to determine which properties are significant in ground talc which has the desired slip. Measurements have been made to establish the

3

optimum limits of many of the properties relevant to lubricity. Data relevant to color, reflectance, moisture content, alkalinity, and abrasiveness will appear in a subsequent report.

THE ROLE OF MINERALOGICAL PURITY IN LUBRICITY

The Italian talc contains from about 97 to more than 99 per cent pure mineral talc. The predominant contaminant is carbonate, which is present in all size fractions, being slightly more abundant in the fines. Among other contaminants, present in trace amounts, are amphiboles, rutile, zircon, apatite, and titanite. The Italian talc is essentially free of opaques. The contaminants are generally prismatic or angular particles which act as grit and introduce point friction. A few such equidimensional or acicular particles present in an otherwise platy talcum, particularly if the grit is present in the coarser sizes, may be easily noticed subjectively. They diminish the lubricous feeling by the introduction of plowing, bearing-like particles, and the disruption of the lamellar movement of the talc particles. Inasmuch as the contaminants generally have diameters considerably greater than the thickness of talc platelets, their removal would improve the slip of any platy talc in which they occur in an effective amount. The small percentage of contamination in the Italian talc is an effective amount, as demonstrated by lubricity tests on a sample upgraded by froth flotation.

Further discussion of the nature of the impurities of talc was reported in earlier Battelle reports to Johnson and Johnson dated May 11, 1955^{(1)*}, February 29, 1956⁽²⁾, May 28, 1957⁽³⁾, and July 25, 1957⁽⁴⁾.

THE ROLE OF THE CRYSTALLOGRAPHIC HABIT OF TALC IN LUBRICITY

Platy talc is the most desirable for the purposes of the Sponsor. Whereas acicular and granular talc particles plow or roll, producing point friction, platy particles slide over one another producing the soft lubricous sensation desirable in talcum powder. The Italian talc averages about 10 per cent fibrous or acicular particles and about 90 per cent platelets. The amount of granular talc particles is negligible. Fibrous and granular particles of talc, though physically softer than the foreign mineral contaminants of talc ore, are none the less undesirable — if to a lesser degree. Such particles are most undesirable when present in the larger grain sizes where these crystals or aggregates may act as bearings or irritants.

Whereas different minerals may be separated from one another by physical processes, such as the removal of carbonates from talc by flotation, more difficulty is involved in separating particles of monomineralic, impalpable powder on the basis of their crystallographic habit, except where the crystal types concentrate in specific size fractions. Until beneficiation procedures for concentrating talc with the desired crystallographic habit are developed, talc which has the crystallographic habit preferred must be obtained by selective mining.

A detailed discussion of the various crystallographic habits of talc appears in a Battelle report to Johnson and Johnson dated February 29, 1956⁽²⁾.

^{*} References are given on page 23.

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THE MEASUREMENT OF LUBRICITY

Discussion

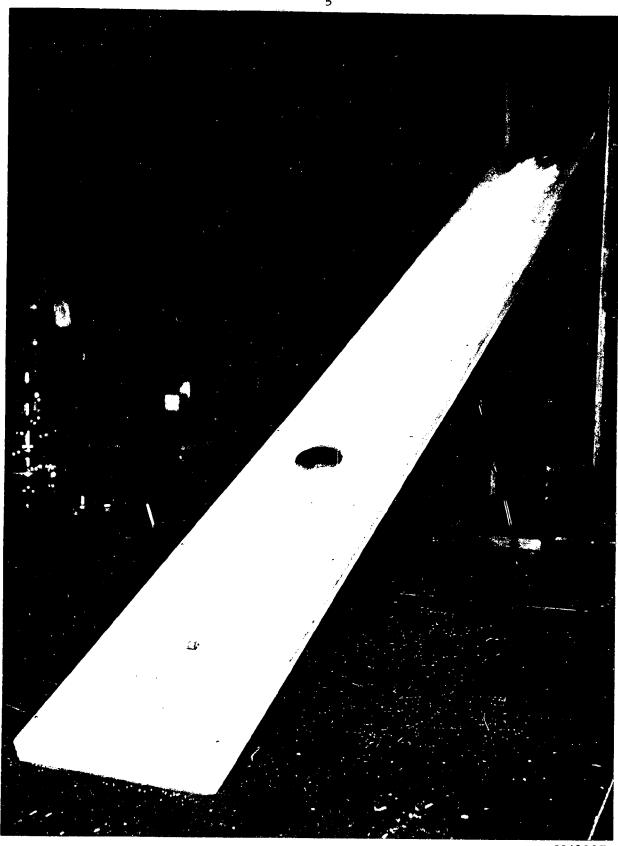
Although the desired property of talc, the slip or optimum balance of size distribution and friction is only partly a matter of lubricity, it is correlative within certain limits of lubricity. A standard method of objectively measuring the lubricousness of talc has not been devised previously. The lubricity has been determined comparatively by feeling a pinch of powder between the fingers. People experienced in so testing talc subjectively are able to distinguish fine differences in quality. Since the desirable and undesirable qualities of talc are a subjective matter, it is likely that subjective testing is preferable. However, since the subjective tests are a matter of sensation, involving human reaction to several physical properties, such tests are of little help in devising methods of improving the physical properties of talc or of measuring small differences in particular properties. Because of this it was necessary to build a device to objectively test and measure lubricity, apart from the other properties which contribute to the desirability of talc.

It is not to be inferred that an objective test can replace the subjective test or that pleasantness of sensation is mechanically measurable; however, the physical properties which contribute to the unctuousness of talc can be measured and their optimum limits can be determined. Thus the means of improvement of talcs can be visualized. The figures obtained on the lubricity-board experiments are compared with the more easily made measurements of other physical properties in order to determine if there is a correlation and to establish the desirable limits of particular properties in acceptable Italian talc.

The Lubricity Board

In order to obtain quantitative measurements of talc samples, against which the measurements of other physical properties could be compared, a simple machine was constructed with a minimum of interacting physical factors. This device consists of a wooden plane inclined at 25 degrees, which is covered with talc (Figure 1). The lubricity is determined by measuring the time it takes a 226-gram steel puck to slide over two microswitches spaced 5 feet apart (Figure 2). The microswitches actuate an electric timer.

The lubricity board was designed as a preliminary device in making lubricity experiments; however, a routine method of measurement has been established and the device has demonstrated a reproducibility with an accuracy of more or less 1 per cent. Although more precise machines might be built, the lubricity board has proven to be an adequate means of measuring the comparative lubricity of talc samples and to be adequately precise for the comparison of data from other physical measurements. The measurements made on the lubricity board are presented in terms of .xxx second, the figures representing the average of fifty readings. A typical set of figures is shown in Table 1. A description of the lubricity board and the technique of its operation comprises Appendix A.



N40207

FIGURE 1. THE LUBRICITY BOARD, SHOWING DESCENT OF STEEL PUCK

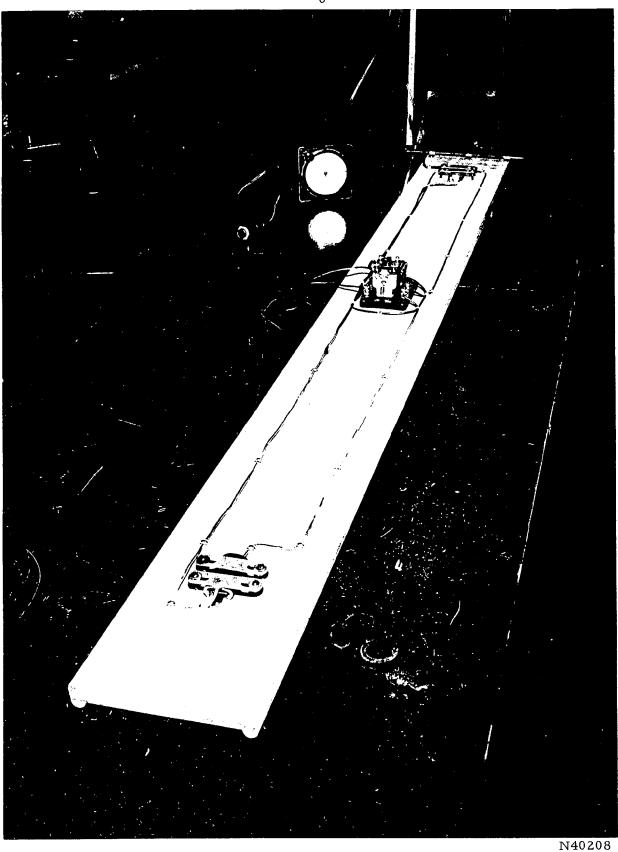


FIGURE 2. UNDERSIDE OF LUBRICITY BOARD, SHOWING MICROSWITCHES AND ELECTRIC TIMER CONNECTED TO LOCK-IN RELAY

TABLE 1. TYPICAL DATA FROM LUBRICITY-BOARD MEASUREMENT OF ITALIAN TALC SAMPLE (CRANFORD, 12/22/56)

	Mea	surement in Seco	onds	
Series l	Series 2	Series 3	Series 4	Series 5
0.96 ^(a)	0.97	0.98	0.97	0.97
0.98	0.96	0.97	0.96	0.97
0.95	0.96	0.97	0.96	0.96
0.95	0.95	0.97	0.98	0.95
0.97	0.96	0.96	0.98	0.96
0.97	0.95	0.96	0.97	0.94
0.96	0.96	0.97	0.96	0.97
0.95	0.97	0.98	0.98	0.98
0.97	0.96	0.97	0.97	0.95
0.94	0.97	0.97	0.99	0.97
	Ave	erage 0.965 seco	nd	

⁽a) Lubricity board newly covered for each series of ten slides.

Contrary to preconceived ideas about the behavior of solid lubricants, the puck was found to slide faster on poorer grades of talc than on cleaner samples with better slip. The controlling factor is the presence of contaminants or equidimensional particles which act as bearings while purer talc, within the limits of the particular size distribution, presents a surface composed of flat platelets, producing more friction and slowing the descent of the puck.

It is not suggested at this time that Johnson and Johnson conduct similar experiments on a lubricity board. Until the lubricity studies are completed, it is intended that the lubricity board serve only as a basis for comparison with other measurements by which the physical properties which control lubricity can be evaluated.

The Lubricity of Talc Samples

Lubricity-board measurements were made on 15 samples of talc obtained from the Cranford plant of Johnson and Johnson, collected at regular intervals from August 10 to December 22, 1956. Table 2 lists the figures obtained for each sample. The readings ranged from 0.936 second for the sample which permitted the fastest descent of the puck to 1.083 seconds for that sample which most slowed the descent.

To test the hypothesis that the faster descents were due to bearing-like contaminants, the lubricity figures were compared to those of the percentage of contamination. Table 2 lists the amount of contamination as compared to the lubricity of the samples. The contamination figures represent microscopically identifiable particles and do not include the impalpable fines. Although correlation was not perfect, the relationship of contamination to lubricity is clear in the extreme instances. The talc containing the greater amount of contaminants permitted the faster descents on the lubricity board. The slight differences in contamination were not discernible subjectively.

TABLE 2. LUBRICITY-BOARD MEASUREMENTS AND PER CENT CONTAMINATION OF TALC SAMPLED AT CRANFORD, NEW JERSEY, SHOWING RELATION OF LUBRICITY TO PURITY OF SAMPLE

Date Sampled	Contamination (a), per cent	Lubricity-Board Measurements, seconds
9-6-56	<1	1.083 (slowest)
11-6-56	1	1.053
9-12-56	<1	1.030
9-19-56	. <1	1.028
10-18-56	1	1.025
8-10-56	. 1	1.021
9-27-56	1	1.017
8-28-56	2	1.007
10-29-56	1-2	1.006
10-4-56	1-2	0.982
8-20-56	2	0.971
10-12-56	2-3	0.968
12-22-56	2	0.965
11-30-56	2-3	0.952
11-15-56	2	0.936 (fastest)

⁽a) Determined petrographically.

Inasmuch as the contamination figures were small, were close together, and could be prejudiced, the contaminants were removed from a sample of talc by froth flotation and the products were tested on the lubricity board. The test results, which are also noticeable subjectively, are given in Table 3.

TABLE 3. LUBRICITY-BOARD DATA ON FLOTATION PRODUCTS OF ITALIAN TALC, SHOWING DELETERIOUS EFFECT OF CONTAMINATION ON LUBRICITY

	· · · · · · · · · · · · · · · · · · ·	
Product	Lubricity-Board Measurement, seconds	
Starting sample	0.990	
Starting sample Float product(a)	1.046 (superior)	
Nonfloat product(b)	0.873 (inferior)	

⁽a) Essentially pure tale, representing 90 per cent of starting sample,

The essentially pure talc product produced a slower descent of the steel puck than did the unseparated sample, and the flotation tailings permitted a descent considerably faster than did the unseparated sample. It may be concluded, on the basis of several experiments on the lubricity board, that the purer talc with the better slip requires a longer time for the puck to slide, while the samples more contaminated with granular "bearings" permit faster descents. Although the details of practical beneficiation of this talc by froth flotation have yet to be worked out, the amenability of the talc to

⁽b) 85 per cent talc, 15 per cent contaminants, representing 10 per cent of starting sample.

flotation and the obvious improvement in the purity and slip of the product indicate that beneficiation is a feasible consideration for the improvement of the Italian talc.

THE RELATIONSHIP OF LUBRICITY TO PARTICLE-SIZE DISTRIBUTION

Discussion

The desirable slip in talcum powder does not depend alone on the physical lubricity of the mineral but on numerous interdependent physical properties, one of the more important being particle-size distribution. The relative amount of grains in different size fractions, the extreme sizes, and the crystalline habit of grains of different sizes play a major role in lubricity. Comparatively larger grains in an otherwise fine powder may roll like bearings, plow, or act as barriers to the free movement of smaller platelets. Too large an amount of very fine grains may behave as "flour" despite their particle shape and may disrupt or may clog the movements of larger platelets.

Size distribution is reflected in bulk density, porosity, surface area, and average diameter measurements. The samples of Italian talc were found to have physical properties which fall within a small range of many of these measurements and which can be related to lubricity in some instances. Too many variable properties exist in talc to assess specific requirements for many physical measurements; however, in testing for acceptable talcs, those ores with properties similar to the Italian talc should also be expected to have measurements within or close to the range of those obtained on the Italian talc. The measurements should be a useful guide in the blending of talcs and for the rejection of inferior grades.

Battelle wishes to emphasize that immediate conclusions should not be drawn from the following physical measurements alone, inasmuch as they represent but half of the story. A forthcoming report which will deal further with lubricity and other physical properties such as whiteness, abrasiveness, and moisture content, will expand the list of the properties required for an acceptable talc. Although many talcs may be rejected because they fail to meet certain physical requirements presented here, acceptability involves additional factors.

Particle-Size Distribution in Italian Talc

In a previous report to Johnson and Johnson⁽²⁾, Battelle reported a dry screen analysis and a particle-size distribution of Italian talc based on both dry screening and sedimentation in water. These findings are repeated in Table 4. Further, extensive particle-size distribution studies were made showing that three replicate analyses of a large sample of Italian talc were closely reproducible and in close agreement with the earlier analyses, although obtained from a separate sample (Table 5). Appendix B contains a description of the procedure for particle-size analysis.

TABLE 4. PREVIOUSLY REPORTED PARTICLE-SIZE DISTRIBUTION DATA⁽²⁾ ON ITALIAN TALC

a. Dry Screen Analysis	·
Tyler Mesh Size	Weight Per Cent
+150	0.1
- 150+200	1.8
-200+270	2.1
-270+325	13.5
-325	$\frac{82.5}{100.0}$

b. Approximate Particle-Size Distribution Based on Dry Screening and Sedimentation in Water

Size	Approximate Weight Per Cent
-100+200 Mesh	2
-200+325 Mesh	16
-325 Mesh + 15 Microns	62
-15 Microns + 10 Microns	9
-10 Microns	$\frac{11}{100}$

TABLE 5. PARTICLE-SIZE DISTRIBUTION OF THREE SAMPLES OF ITALIAN TALC

Size	Average Weight Per Cent	Per Cent Deviation From Mean
+200 mesh ^(a)	1	0.12
-200 mesh + 325 mesh	10	0.97
-325 mesh + 400 mesh (38 microns)	7	1.3
-38 microns + 30 microns	57	5.18
-30 microns + 15 microns	12	0.8
-15 microns	$\frac{13}{100}$	3.1

(a) Tyler.

To check the variation in particle-size distribution of the talc samples from Cranford, a series of measurements by dry screening and sedimentation were made on 12 samples. Table 6 lists the weight per cent of each size fraction. One of the samples, Cranford 10/4/56, might be eliminated statistically from the sample population; however, the variation is real and its data are included in the weight per cent deviation from the mean (Table 7). The effect of the variant sample shows clearly in the measurements of average particle size, specific surface, bulk density, and porosity (Tables 12, 15). The cause of the variation is not obvious petrographically, the sample being similar to the others except in size distribution. This variant sample demonstrates that the Pinerolo product is not uniform. Also, since the larger coarse fraction does not cause the expected effect on the lubricity measurement as do variations within the normal size distribution population, it shows that the matter of lubricity is more complex than is indicated by variations within a small range in particle-size distribution.

The Cranford samples have minor variations in particle-size distribution. In all of the samples, however, the -400 mesh (38 micron) + 30 micron fraction constitutes about one-half of the sample, with minor amounts in the smaller and larger fractions. This distribution should be kept in mind should platy talcs of other distributions be considered. Inasmuch as the size distribution may be as much a matter of the grinding and blending of ores as of the physical nature of the ore, fabrication of acceptable talcum powder from lower grade ore might be accomplished by a proper blend of sized fractions of platy talc.

Correlation of Lubricity With Particle-Size Distribution Data

In order to correlate the particle-size distribution and lubricity data, a large sample of Italian talc was sized and the size fractions were tested on the lubricity board. Experiments clearly showed that the coarser fractions permitted a faster descent of the puck while the finer fractions produced a slower descent. This is apparently due to the more equidimensional bearing-like particles in the coarser fractions. Table 8 demonstrates the relationship of particle size to lubricity, showing the larger, more desirable, lubricity figures for the fines, the lower for the coarser, gritty fraction.

Inasmuch as the lubricity of talc involves the physical properties of material of various grain sizes, lubricity measurements were made on various proportional mixtures of specific particle-size fractions and on powders from which specific particle-size fractions were removed. In order to determine if the over-all lubricity was controlled by the coarse or by the fine sizes, a series of lubricity measurements was made on proportional mixtures of the fine (-400 mesh) and coarse (+250 mesh) sizes. Table 9 clearly shows that the control is in the relative amount of coarser to finer grains. That is, a small amount of coarse particles added to an otherwise fine powder has a pronounced adverse effect on lubricity, whereas a similar percentage addition of fine particles to an otherwise coarse grained powder has comparatively little effect on lubricity. It may be concluded from this study that the removal of the coarser particles, which tend to be more equidimensional, will improve the slip. On the other hand, the addition of fines to gritty or granular powders makes comparatively little improvement.

PARTICLE-SIZE DISTRIBUTION OF TALC SAMPLED AT CRANFORD PLANT TABLE 6.

			Weight Per Cen	Weight Per Cent of Size Fractions	8	
Date Collected	+200 Mesh	-200 Mesh +325 Mesh	-325 Mesh +400 Mesh	-400 Mesh +30 Microns	-30 Microns +15 Microns	-15 Microns
9-9-6	0.47	5. 44	6.83	65.72	10.76	10.78
11-6-56	0.51	5.13	7.75	56.66	16.49	13.46
9-12-56	0.92	8.30	7.85	92.09	10.23	11.94
9-19-56	0.84	5.54	7.65	55.79	16.42	13.88 -~
10-18-56	96.0	7.86	7.27	58.07	13.32	12.52
9-27-56	0.59	4, 48	6.77	56.52	15.93	15.71
8-28-56	0.50	4.34	68.9	56.39	16.18	15.71
10-4-56(a)	1.22	6.38	9.36	40.05	31.74	11.28
8-20-56	0.65	6.08	7.98	57.53	16.64	11.12
12-22-56	0.88	3, 42	12.30	52.27	20.01	11.12
11-30-56	0.72	6.38	10.33	57.86	11.21	13.50
11-15-56	0.88	6.93	9.91	48.72	22.08	11.48

(a) See comment under "Particle-Size Distribution in Italian Talc",

TABLE 7. DEVIATION IN PARTICLE-SIZE DISTRIBUTION IN WEIGHT PER CENT OF TALC SAMPLED AT THE CRANFORD PLANT

Size	Deviation, weight per cent (Excluding Sample 10/4/56)	Deviation, weight per cent (Including Sample 10/4/56)
+200 mesh(a)	0.26	0.39
-200 mesh + 325 mesh	2. 44	2.44
-325 mesh + 400 mesh (38 microns)	1.78	1.78
-38 microns + 30 microns	8.50	12.85
-30 microns + 15 microns	5.42	10.75
-15 microns	3.72	3.72

⁽a) Tyler.

TABLE 8. RELATIONSHIP OF LUBRICITY TO PARTICLE SIZE

yler Mesh Size	Lubricity-Board Measurement, seconds
Unseparated	0.990
+200	0.889
-200+250	0.951
-250+270	0.980
-270+325	1.030
-325+400	1.043
-400	1.099

TABLE 9. THE LUBRICITY OF MIXTURES OF COARSE AND FINE SIZES OF TALC, DEMONSTRATING THE CONTROL TO BE IN THE COARSE FRACTIONS

Per Cent Fines (-400 Mesh)	Per Cent Coarse (+250 Mesh)	Lubricity-Board Measurement, seconds	Difference in Lubricity
0	100	0.951	
10	90	0.951	. 000
10	, o	0.751	. 009
25	7 5	0.960	010
50	50	0.970	. 010
7 5	25	0.986	.016
13	23	0.760	. 052
90	10	1.038	0/1
100	0	1.099	. 061

Further measurements of the effect of particle-size distribution on lubricity were made by testing whole powder from which different size fractions had been removed. The measurements, Table 10, demonstrate that removal of the fines decreases the quality of the powder, whereas removal of the coarse fractions improves it. It would have to be determined by further tests of beneficiation products whether it is most advisable to remove entire size fractions or merely the small percentage of coarse contaminants.

TABLE 10. LUBRICITY MEASUREMENTS OF ITALIAN TALC SAMPLES FROM WHICH SPECIFIC PARTICLE-SIZE FRACTIONS HAVE BEEN REMOVED

X Represents Fractions Removed From Whole Powder
U Represents Fractions Tested

Tyler	Lubricity-Board Measurement of ^(a)	Test	Test	Whole	Test	Test
Mesh Size	Size Fractions	1	2	Powder	3	4
+200	0.889	Ŭ	Ū	U	х	х
-200+250	0,951	U	U	Ū	Х	х
-250+270	0.980	U	U	Ū	Ü	х
-270+325	1.030	Х	Ŭ	U	U	Ū
-325+400	1.043	Х	U	Ü	Ū	Ū
-4 00	1.099	х	x	Ū	Ü	Ū
Lubricity-Board	Measurement	0.945	0.963	0.990	1.038	1.068
				-Increase in slip-		
Approximate W Fractions Rem	eight Per Cent of noved	97.	82.	0.	2.	3.

⁽a) Repeated from Table 8 for comparative purposes.

MOISTURE CONTENT

Of considerable importance to the lubricity of talc is its moisture content. This topic is more thoroughly treated in a forthcoming report. It is important, however, to note here that an increase in moisture content slows the descent of the puck on the lubricity board and falsely indicates superior lubricity. All of the Italian talc was found to contain a moisture content in the hundredths of one per cent. Analyses of various size fractions show that the moisture content is higher in the fine sizes, possibly due to adsorption on the greater surface area.

MEASUREMENT AND CORRELATION OF OTHER PHYSICAL PROPERTIES RELATED TO LUBRICITY

Surface Area Determinations by Nitrogen Adsorption

The relationship of lubricity to particle-size distribution has been shown to be a matter of friction and surface area, the finer platelets having the greater surface area per unit of weight.

Four samples of Italian talc from Cranford were measured for their surface area using the Brunauer, Emmett, Teller technique of nitrogen adsorption at liquid nitrogen temperatures (Table 11).

TABLE 11. SURFACE AREA MEASUREMENTS OF ITALIAN TALC, COM-PARED WITH LUBRICITY-BOARD MEASUREMENTS

	Lubricity-Board	BET Surface Area
Cranford	Measurement,	Measurement,
Sample Date	seconds	m ² /g
9-6-56	1.083	3.57
9-12-56	1.030	3.18
9-19-56	1.028	2.93
10-4-56	0.982	2.26

The tests show a relationship between surface area and lubricity, the samples with the greater surface area also having the larger lubricity measurements. The values are believed to be accurate to within 5 per cent.

Average Diameter of Particles

An easily operated instrument for rapid particle-size determinations is the Fisher Subsieve Sizer. The instrument measures average particle size by determining the resistance to the flow of air by a weighed sample of powder under standard packing conditions. On the basis of the principle that a fluid meets less resistance to flow while

TABLE 12. COMPARISON OF THEORETICAL AVERAGE-DIAMETER
MEASUREMENTS AND SPECIFIC SURFACE TO LUBRICITYBOARD MEASUREMENTS OF CRANFORD SAMPLES

Cranford Collection Date	Lubricity-Board Measurement, seconds	Theoretical Average(b) Particle Diameter	Specific Surface, cm ² /g
9-6-56	1.083	2.60	8392
11-6-56	1.053	2.65	8233
9-12-56	1,030	2.60	8392
9-19-56	1.028	2. 45	8905
10-18-56	1.025	2.60	8392
8-10-56	1.021	2.80	7792
9-27-56	1.017	2.80	7792
8-28-56	1.007	2.75	7934
10-29-56	1.006	2.80	7792
10-4-56(a)	0.982	3.30	6612
8-20-56	0.971	2.90	7524
10-12-56	0.968	2.90	7524
12-22-56	0.965	3.10	7038
11-30-56	0.952	3.30	6612
11-15-56	0.936	3.20	6818

⁽a) See comment under "Particle Size Distribution in Italian Talc".

⁽b) Determined on Fisher Subsieve Sizer.

penetrating a bed of coarse particles than while penetrating a bed of fine particles, a figure is derived which disregards the shape of the individual grains, porosity, size distribution and other variables. Inasmuch as the average diameter figure represents a theoretical sphere, the data are of relative rather than actual value. Average diameter measurements made on the Fisher Subsieve Sizer are shown in comparison with lubricity measurements (Table 12), demonstrating the correlation of small average diameters to talc with the larger lubricity measurement and larger average diameters to talc with the lower, less desirable, lubricity measurements. A clear-cut correlation of the theoretical average-particle-diameter measurements with the lubricity-board measurements is shown in Table 13.

TABLE 13. RELATIONSHIP OF LUBRICITY-BOARD MEASUREMENTS
TO THEORETICAL AVERAGE DIAMETERS ON SIZED
FRACTIONS OF ITALIAN TALC

Tyler Mesh Size	Lubricity-Board Measurements, seconds	Theoretical Avera Particle Diameter microns ^(a)	
Unseparated	0.990	2.60	
+200	0.889	7. 4 0	
-200+250	0.951	3.60	
-250+270	0.980	2.50	
-270+325	1.030	2.35	
- 325+400	1.043	2.25	
-400	1.099	2.10	

⁽a) Determined on Fisher Subsieve Sizer.

Specific Surface Calculated From Average Diameter

The average particle diameter as determined on the Fisher Subsieve Sizer may, by use of a simple equation, * be expressed in terms of specific surface in square centimeters per gram of dry powder. This is a simpler, less expensive method than nitrogen adsorption. Specific surfaces, as calculated from the average-particle-diameter measurements, are presented in Table 12 in comparison with lubricity. The calculated specific-surface figures, because of their derivation from average-particle-diameter measurements, are inversely correlative with particle size. The samples with the greater specific surfaces are those which impede the slide of the puck on the lubricity board, and which have better slip, while the samples with the smaller specific surfaces, those containing the larger particles, are the samples permitting faster descents of the puck on the lubricity board.

As in the case of the average particle-diameter measurement, the specific-surface calculations represent theoretical spheres which, since the powder is composed of platelets, are of relative rather than exact value. Whereas the surface area as determined by gas adsorption is relatively exact, the value of the surface-area figures derived from the theoretical average-particle-diameter measurements is purely comparative.

^{*}Specific surface (cm²/g) = $\frac{6 \times 10^4}{\text{average diameter (μ)} \times \text{specific gravity of talc}}$.

The relationship of specific surface to the lubricity of sized fractions of Italian talc is presented in Table 14, which shows that the fractions with the better lubricity also have the greater surface areas.

TABLE 14. CORRELATION OF SPECIFIC SURFACE AND LUBRICITY-BOARD MEASUREMENTS OF SIZED FRACTIONS OF ITALIAN TALC

Tyler Mesh Size	Lubricity-Board Measurements, seconds	Specific Surface, cm ² /g
Unseparated	0.990	8392
+200	0.889	2948
-200+250	0.951	6061
-250+270	0.980	8727
-270+325	1,030	9284
-325+400	1.043	9697
-400	1.099	10390

Porosity

A measurement of porosity, independent of the other measurements, may be made on the Fisher Subsieve Sizer. The porosity figure represents the ratio of voids to the total volume of the packed sample, in a range of 0.40 to 0.80. Inasmuch as part of the test involves a manual operation, the results are subject to a human error. The porosity figures, however, are reproducible through the second decimal place. The range in porosity, 0.448 to 0.490, determined on the Cranford samples, is a relatively small range and should, by its close limits alone, be of assistance in evaluating Italian talc (Table 15). The more porous powders, those with the greatest amount of asymmetrical, platy grains, are also those with the larger lubricity-board measurements, hence the better slip. Correspondingly, the samples with the lower porosity, those containing the greater amount of equidimensional grains, are the powders which have the lower lubricity-board measurements.

Table 16 shows the porosity of sized fractions of Italian talc as compared with its lubricity-board measurements. The porosity is clearly shown to be less in the coarser fractions with the poorer slip and greater in the finer fractions.

TABLE 15. POROSITY, BULK DENSITY, AND LUBRICITY OF CRANFORD SAMPLES

Cranford Collection Date	Porosity Ratio	Bulk Density, lb/cu ft	Lubricity-Board Measurements, seconds
9-6-56	0.490	22.942	1.083
11-6-56	0.480	22.958	1.053
9-12-56	0.475	23. 259	1.030
9-19-56	0.456	23.437	1.028
10-18-56	0.452	22.860	1.025
8-10-56	0.460	23.528	1.021
9-27-56	0.464	23.096	1.017
8-28-56	0.470	22.642	1.007
10-29-56	0.461	22.491	1.006
10-4-56(a)	0.475	24.061	0.982
8-20-56	0.460	23.756	0.971
10-12-56	0.455	23.429	0.968
12-22-56	0.452	22.616	0.965
11-30-56	0.448	22.725	0.952
11-15-56	0.450	22. 583	0.936

⁽a) See comment under "Particle-Size Distribution in Italian Talc".

TABLE 16. CORRELATION OF POROSITY AND LUBRICITY-BOARD MEASUREMENTS OF SIZED FRACTIONS OF ITALIAN TALC

	Lubricity-Board Measurements,		
Tyler Mesh Size	seconds		Porosity Ratio
Unseparated	0.990	•	0.448
+200	0.889		0.401
-200+250	0.951		0.426
-250+270	0.980		0.439
-270+325	1.030		0.446
-325+400	1.043		0.442
-400	1.099		0.455

Bulk Density

The bulk density of ground talc may be measured on a Scott Volumeter. The Cranford talc samples were found to have bulk densities ranging between 22 and 25 pounds per cubic foot. Table 15 lists the bulk densities of the Cranford talc samples. The bulk-density measurement is not precise enough to accurately compare small differences but is valuable in establishing a range of acceptability. When sized fractions are tested, the bulk density is seen to have inverse relationships with porosity and specific surface and to have a direct relationship with average particle size. Thus, as shown in Table 17, bulk density is inversely correlative with lubricity as a function of particle size. The coarser fractions, with poorer slip have the higher bulk density; the finer fractions having the lower bulk density. The relationship of bulk density, moisture content, and lubricity is presented in a forthcoming report.

TABLE 17. THE RELATIONSHIP OF BULK DENSITY TO LUBRICITY-BOARD MEASUREMENTS OF SIZED FRACTIONS OF ITALIAN TALC

	Lubricity-Board Measurements,	Bulk Density	
Tyler Mesh Size	seconds	lb/cu ft	
Unseparated	0.990	23.030	
+200	0.889	34. 261	
-200+250	0.951	26.645	
-250+270	Ծ. 980	20.721	
-270+325	1.030	19.335	
-325+400	1.043	19.139	
-400	1.099	16.894	

CONCLUSIONS

Because this study represents but part of the picture of evaluating acceptable talc by means of its physical properties, it is not possible to state final conclusions without qualifications. Several relationships between physical properties, however, have been established for acceptable Italian talc and the range of their variations have been measured. A forthcoming report including studies of other physical properties will add to the picture and will indicate the course to follow for beneficiation of the Italian talc in order to improve its physical properties.

The physical properties of the Italian talc samples have been measured and the following ranges in values were obtained:

- (1) Contamination: from less than 1 to more than 3 per cent.
- (2) Crystallographic habit: more or less constantly 90 per cent platy, 10 per cent fibrous.
- (3) Lubricity-board measurement: from 0.936 to 1.083 seconds.
- (4) The ratio of voids to total volume: from 0.45 to 0.49.
- (5) Theoretical average particle diameter: from 2.45 to 3.30 microns.
- (6) Bulk density: from 22.49 to 24.06 lbs/cu. ft.
- (7) Specific surface: from 6612 to 8905 cm²/g.
- (8) Moisture content: hundredths of one per cent.
- (9) Particle-size distribution:

+200 mesh	0.47 to 1.22 per cent
-200+325 mesh	3.42 to 8.30
-325+400 mesh (38 microns)	6.77 to 10.33
-38 microns + 30 microns	40.02 to 65.72
-30 microns + 15 microns	10.23 to 22.08
-15 microns	10.78 to 18.23.

Physical measurements on sized fractions of Italian talc showed the coarser particle fractions to have lower, less desirable, measurements on the lubricity board and the finer fractions to have the larger, more desirable, measurements. The sized fractions with the preferable lubricity were found to have the higher porosity and specific surface and the smaller particle size and bulk density (Table 18).

Lubricity-board studies on Italian talc fabricated to particular size distributions show that the lubricity is controlled by the relatively small amount of comparatively larger grains in an otherwise finer mixture. Lubricity-board studies also show that the lubricity of the Italian talc may be improved by the removal of the coarser size fractions. This is not a simple matter, however, as it involves the variation in size of the abrasive particles.

TABLE 18.	TABLE 18. SUMMARY OF PHYSICA	L PROPERTIES OF	SIZED FRACTION	PHYSICAL PROPERTIES OF SIZED FRACTIONS OF ITALIAN TALC	
Tvler Mesh Size	Lubricity-Board Measurements,	Average Diameter,	Specific Surface,	Porosity Ratio	Bulk Density,
			9/	racio	ייי כת זר
Unseparated	0.990	2.60	8392	0.448	23.030
+200	0.889	7.40	2948	0.401	34.261
-200+250	0.951	3.60	-6061	0.426	26.645
-250+270	0.980	2.50	8727	0.439	20.721
-270+325	1.030	2.35	9284	0.446	19.335
-325+400	1.043	2.25	2696	0.442	19,139
-400	1.099	2.10	10390	0.455	16.894

23 and 24

Measurements on flotation products show that the removal of the small per cent of contaminants improves the lubricity of the talc .

The physical properties of the Italian talc can be improved, with the least possible loss of sample, by removing the mineral contaminants from either the coarse fractions or from the sample as a whole. This appears to be one clear cut course to follow in improving the Italian talc.

(The original notes on the laboratory work described in this report are in Battelle Laboratory Record Books No. 12667, pages 1 through 71, and No. 13034, pages 1 through 77. The work was done in the period from November 7, 1956, to September 30, 1957.)

BIBLIOGRAPHY

- (1) Sclar, C. B., et al., "A Review and Appraisal of the Literature on Talc Deposits of the United States", Battelle Report to Johnson and Johnson (May 11, 1955).
- (2) Sclar, C. B., et al., "An Investigation of Selected Talc Deposits of the United States", Battelle Report to Johnson and Johnson (February 29, 1956).
- (3) Smith, W. L., and Snider, R. H., "Investigation of the Salgada and Casa Nova Talc Deposits of Brazil", Battelle Report to Johnson and Johnson (May 28, 1957).
- (4) Smith, W. L., Letter Report to Johnson and Johnson on the Talc Deposits of Madoc, Canada (July 25, 1957).

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APPENDIX A

DESCRIPTION OF LUBRICITY BOARD AND TECHNIQUE OF OPERATION

A-1 and A-2

APPENDIX A

DESCRIPTION OF LUBRICITY BOARD AND TECHNIQUE OF OPERATION

The experimental device described as the lubricity board in this report consists of a wooden plane inclined at 25 degrees, which is lightly, but completely, covered with talc. The lubricity is determined by measuring the time it takes a steel puck to slide over two microswitches which actuate an electric timer.

The inclined plane is made of 6-ply birch plywood, 3/4 inch thick, 6 inches wide, and 6 feet long. The even-grained wood was sanded smooth to prevent the grain from influencing the descent of the puck. Twenty-five degrees was selected as the inclination from horizontal after much experimentation which showed it to be the minimum angle at which a sustained slide could be made on all of the Italian talc samples.

The microswitches are located 6 inches from each end of the slide, in the middle of the board, making the measured path a length of 5 feet. The microswitches are connected to a double-pole, 115-volt, Struthers-Berm lock-in relay which actuates a Standard Electric Time Company electric timer. The steel puck weighs 226 grams, is 3/4 inch by 2-1/2 inches, has rounded edges, and presents a circular sliding surface of 1-3/4 inches diameter. Such are obtainable from amusement equipment distributors as a piece used in the game of American Shuffleboard. One flat surface of the puck was ground smooth and polished for the lubricity experiments.

The talc is applied to the lubricity board from a 9-ounce Johnsons' Baby Powder can until a thin even layer is present over the measured path. The puck is manually released from a dead start from the top of the slide, 6 inches above the first microswitch. For purposes of eliminating errors of freak descents, lubricity is measured as the average of 50 runs. The board is newly covered with talc after each 10 runs, although no difference in lubricity measurements could be accounted for between those early and late in a series. The puck was washed in warm water and thoroughly dried between runs.

APPENDIX B

PROCEDURE FOR PARTICLE-SIZE ANALYSIS

B-1

APPENDIX B

PROCEDURE FOR PARTICLE-SIZE ANALYSIS

In a previous report to Johnson and Johnson from Battelle⁽²⁾ a procedure for sizing Italian talc was outlined. For purposes of the present investigation, the following procedure was developed by D. A. Jacobs of the Battelle staff.

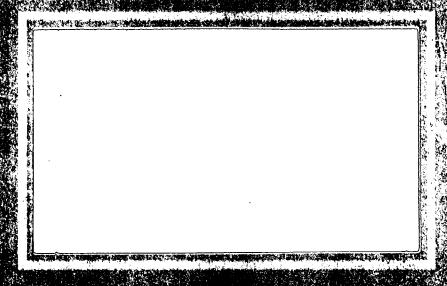
One hundred grams of talc is wet screened at 325 mesh with water. The +325 mesh product is dried and dry screened on a Ro-Tap for 30 minutes producing +200, 200 x 325, and -325 mesh fractions. The -325 mesh fraction of the dry screening is combined with the -325 mesh product of the wet screening. A suspension of -325 mesh material is allowed to settle through a 10-centimeter column in a 4-liter beaker to which sodium silicate has been added in the amount of 1 pound per ton, and agitated for a period of 10 minutes. The sodium silicate is added to the first 30-minute settling of each sample only. At the end of the first 30-minute cycle, the supernatant column of liquid is siphoned off. This liquid contains the -15 micron fraction. Four cycles are required to remove the -15 micron fraction entirely. Another series of 4 cycles with settling times of 5 minutes produces the 15 x 30-micron fraction, which is siphoned off, plus sands of 30 microns x 325 mesh. The sands are dried and dry screened at 400 mesh on a Ro-Tap for 30 minutes, producing 325 x 100 mesh and 400 mesh x 30 micron fractions. The sizing flowsheet is presented as Figure B-1.

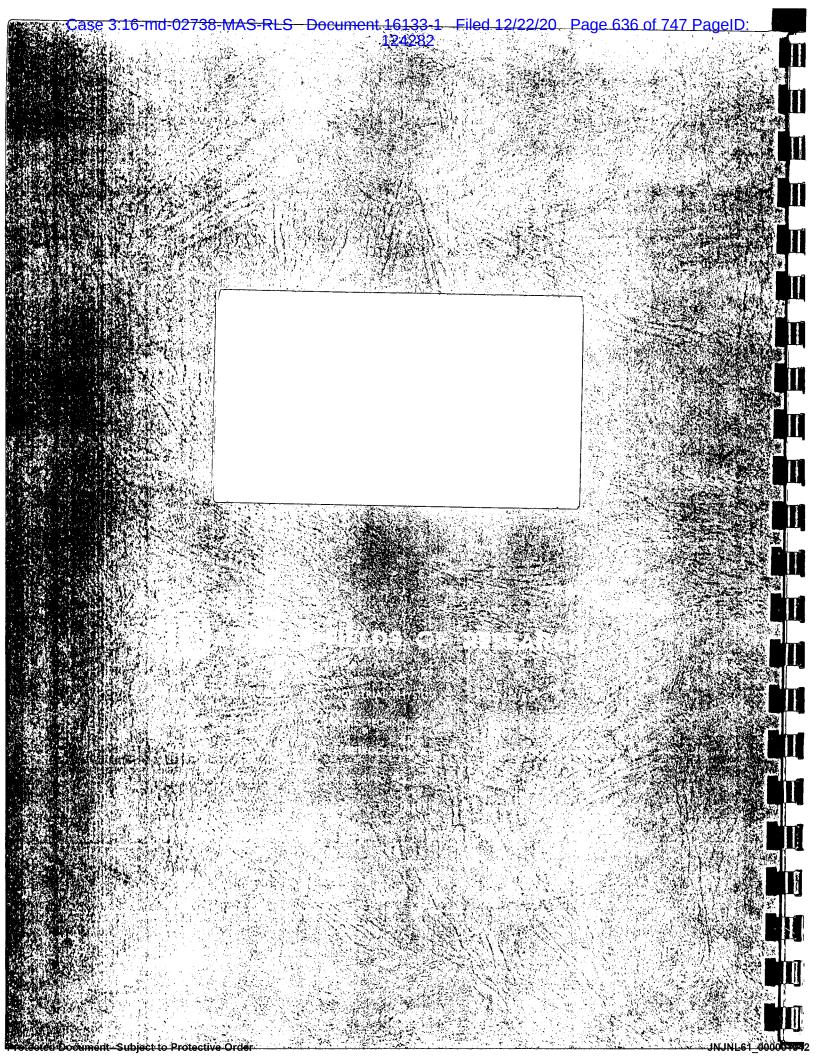
Case 3:16-md-02738-MAS-RLS Document 16133-1 Filed 12/22/20 Page 633 of 747 PageID:

FIGURE B-1. STANDARD FLOWSHEET FOR SIZING OF TALC SAMPLES
BATTELLE MEMORIAL INSTITUTE

Exhibit 23

PROGRESS REPORT





PROGRESS REPORT

on

THE PHYSICAL CONCENTRATION OF TALC ORES - FLOTATION

to

JOHNSON AND JOHNSON

May 23, 1958

by

W. E. Brown, W. L. Smith, and R. D. Macdonald

BATTELLE MEMORIAL INSTITUTE
505 King Avenue
Columbus 1, Ohio

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Battelle Memorial Institute

505 KING AVENUE COLUMBUS 1, OHIO

May 28, 1958

Dr. W. H. Lycan
Director of Research
Johnson and Johnson
New Brunswick, New Jersey

Dear Dr. Lycan:

We are transmitting herewith six copies of our Progress Report on "The Physical Concentration of Talc Ores -- Flotation", by W. E. Brown, W. L. Smith, and R. D. Macdonald.

The data in this report show that it is possible to make from Italian No. 2 grade, by flotation, a talc product that is superior to the Italian No. 1 grade. We now have enough laboratory data to design either a pilot plant to produce larger quantities of this material for critical evaluation, or a commercial plant to produce a nominal 50 tons of beneficiated talc per day.

The data in this report indicate that it may be possible to produce a superior talc by flotation from any raw talc which contains an appreciable percentage of platy talc. We do not, however, have enough data as yet to prove this point. Additional experimental work is required to show whether by flotation one can make an acceptable product from other raw materials, such as Indian talc.

After you have reviewed this report, we would be pleased to discuss it with you or to answer any questions which may arise.

Sincerely yours,

O. F. Tangel, Chief

Minerals Beneficiation Division

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PHYSICAL CONCENTRATION OF TALC ORES - FLOTATION

by

W. E. Brown, W. L. Smith, and R. D. Macdonald

SUMMARY

This report contains data for the physical concentration of talc ores by flotation methods.

Flotation experiments were made on two talc samples from the United States and one from Italy. Most of the tests were made on the Italian talc because it was considered to be of the most immediate importance.

The principal objective of the program was to obtain a product containing a high percentage of platy talc. The results of the tests show that each of the three different samples can be treated to yield a float product that is significantly improved in its content of platy talc. Table 1 summarizes the best results obtained and compares the raw flotation feed with the beneficiated product.

Table 1 shows that both the Oasis and Stone Creek samples were improved in grade. The original Oasis sample contained 48 per cent platy talc and the Float 1 product contained 83 per cent platy talc. The Stone Creek sample contained 30 per cent platy talc and the Float 1 product contained 85 per cent platy talc. Although these flotation products show a substantial improvement in platy-talc content, they lack about 5 per cent of being equivalent to the 88 to 90 per cent platy-talc content of Italian No. 1 grade which is currently being used by Johnson and Johnson as the raw material for baby powder.

Although the desired grade of at least 88 to 90 per cent platy talc was not attained on either the Oasis or Stone Creek samples, a substantial improvement was obtained as the result of relatively few tests. It is expected that a suitable method can be developed, through additional work, to yield a satisfactory product from the Oasis and Stone Creek talcs.

Italian No. 2 talc likewise responded favorably to flotation. Two methods were developed which yielded products that contained 96 to 97 per cent platy talc and 2 to 3 per cent of fibrous talc. Mineralogically, these products are superior to the Italian No. 1 talc which is being used by Johnson and Johnson for baby powder.

The flotation experiments established that the nonplaty talc can be depressed by using the proper amounts of either Dextřin* or hydrochloric acid. When Dextrin was used the froth of the float products was very voluminous and persistent which probably would create handling and filtering problems in full scale operations. When hydrochloric acid was used the character of the froth appeared normal and rapid filtration was obtained.

[•] Dextrin is made by the hydrolysis of starch and is manufactured by Clinton Foods Incorporated, under the name of Dextrin 603.

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FLOTATION RESUL	
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TABLE 1	
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		Weight Per Cent		Mineral Count, per cent	, per cent		
Sample	Product	of Flotation Feed	Platy Talc	Nonplaty Talc	Carbonates	Tremolite	Effective Reagent
Oasis	Feed	100.0	48	43	જ	4	:
Oasis	Float 1	34.6	83	16	<1	1	Dextrin
Stone Creek	Feed	100.0	30	7,9	H	23	!
Stone Creek	Float 1	29.9	85	12	Т	. 23	None
Italian No. 9	Food	100.0	06	9	က	П.	
Italian No. 2	Float 1	83,9	96	က	·1	<1	Dextrin
Italian No. 2	Float 1, 2	82,7	97	2	<1	-	Hydrochloric acid
	and scavenger						
Italian No. 1	Not treated	100.0	06-88	8=10	<2	Trace	:

Note: Italian No. 1 is included for comparison.

One objection to the use of Dextrin, other than the unsatisfactory frothing properties, would be the possibility of fungus growth on the talc particles if it were not washed out completely or destroyed by heat during the drying operations.

INTRODUCTION

Johnson and Johnson is interested in a broad program which includes investigating the important talc deposits in the world, the measurement of the physical properties of talc, and the physical beneficiation of talc. The purpose of these investigations is to insure Johnson and Johnson of the least expensive and most reliable raw-material source and also to develop methods for further improving the properties of the talc used in baby powder.

At present, Johnson and Johnson is obtaining raw material for baby-powder talcum from Italian deposits. This talc is regarded as very good quality. Some additional improvement in quality is desirable, however, and may be possible by physical beneficiation methods. None of the known domestic talc deposits can compare in quality with the Italian talc, and part of this program is devoted to processing talcs from the more suitable domestic sources in order to obtain a product that is comparable in quality with the Italian talcs.

This Progress Report discusses information obtained on methods of improving the properties of talc. This work is identified on the over-all program being conducted at Battelle as Phase 3 — Physical Concentration of Talc Ores.

The specific objectives of Phase 3 are:

- (1) To obtain a product which consists essentially of talc platelets
- (2) To reject talc particles which are of a size and shape that create unpleasant dusting while dispensing talc from a container
- (3) To obtain a talc product with an obvious sheen in order to convey to the consumer the immediate impression that the talc is of the highest quality.

In addition to achieving the foregoing objectives, it is desirable that the finished product will meet the following specifications.

Moisture: Not more than 0.15 per cent.

Solubility in Hydrochloric Acid: Not more than 6 per cent.

Fineness: Not less than 99.7 per cent through a 100-mesh sieve.

Not less than 98.5 per cent through a 200-mesh sieve.

Microscopic Structure: Shall be platelets, and show no acicular or excessive

granular crystals.

Bulk Density:

Not less than 22 nor more than 27 pounds per cubic foot, when tested by the Scott Volumeter.

In further keeping with the standards of production, it is desirable that the finished talc product have essentially the same whiteness as that currently being marketed by Johnson and Johnson. Another objective is to reduce the alkalinity of the raw material so that the pH value of a moistened sample will approximate neutrality, or a pH of 7.

Products obtained from physical beneficiation experiments can be evaluated by microscopic examination and other physical measurements. These other physical measurements and their meaning are related to the properties of an accepted standard talcum product. A Progress Report on "Studies of the Physical Properties of Talc, Their Measurement and Comparison", October 15, 1957, by W. L. Smith, has been submitted to Johnson and Johnson on this subject and a second and summarizing one is in preparation.

The only method of physical beneficiation employed so far has been flotation. This is because one of the outstanding properties of talc, from the standpoint of physical beneficiation, is its natural floatability.

This report is composed principally of results from froth-flotation experiments. For this reason a short discussion of the froth-flotation process is included as Appendix B in the hope that it may be helpful in understanding the experiments.

EXPERIMENTAL WORK

Samples Tested

Three samples from separate sources were used for the beneficiation experiments. Two of these are from the United States and one from Italy. These samples have a wide variety of purity with respect to degree of platiness and the contained impurities, and probably are typical of what may be expected in talc deposits of potential interest.

Table 2 shows the composition of these samples as determined by microscopic count.

TABLE 2. MINERALOGICAL COMPOSITION OF SAMPLES INVESTIGATED

		Mineral Count,	per cent		
	Nonplaty				
Sample	Platy Talc	Talc	Carbonates	Tremolite	Grind
Oasis Mine (Nevada)	48	43	5	4	Minus 65 mesh (dry)
Stone Creek Mine (Montana)	30	67	1	2	Minus 65 mesh (dry)
italian No. 2	90	6 (fibrous)	3	1	Minus 200 mesh (as received
talian No. 1	88-90	8-10 (fibrous)	< 2	Trace	Minus 200 mesh (as received

The mineral count given in Table 2 is made solely on the basis of incidence. No emphasis is given to the size of the particle encountered in the incidence, so the method of evaluation may at first seem questionable. However, repeated counts made on different fields of the same sample and different samples of the same material give suprisingly consistent percentages, and the percentages of carbonate present agree with chemical determinations of acid solubility. Because of this consistency, the method was accepted as sufficiently accurate for most of the investigations.

Particles in Table 2 which are identified as nonplaty talc may be composed of acicular, fibrous, granular, or cryptocrystalline aggregates of tiny platelets which resemble granules.

Nonplaty talc contained in the Italian samples is mostly fibrous or acicular in form. It is difficult to distinguish acicular talc from remnants of platelets and tremolite in sizes smaller than 10 microns.

Table 2 includes, for comparison, the composition of the Italian No. 1 grade which is the raw material currently used in Johnson and Johnson baby powder. The mineralogical difference between the No. 1 and No. 2 grades is almost insignificant. Italian No. 1 talc, however, costs several dollars more per ton. The Oasis and Stone Creek Mine samples were selected to determine whether talc of a low platy content could be improved sufficiently to compare favorably with the Italian talc and, if so, what recovery might reasonably be expected. Data on the beneficiation of various talcs would provide information that would permit an estimate of the tonnage of material necessary to supply the production requirements of Johnson and Johnson. Information could also be developed for the probable cost of beneficiation.

Ten exploratory experiments were made to observe the general response of the minerals during flotation and to learn the relative complexity of the problem. The summarized results of these experiments were contained in our letter report of January 24, 1958, to Dr. W. H. Lycan.

Sample From the Oasis Mine

The Oasis Mine sample came from Nevada and was supplied by the Sierra Talc and Clay Company. This material was available because it had been previously investigated by Battelle(1) for Johnson and Johnson as a potential raw talc source. The material on hand had been roll-crushed and then ground in a disc pulverizer through 65 mesh.

This sample, which contained about 48 per cent platy talc and 43 per cent granular talc, was selected for part of the investigation specifically because of its intermediate platy-talc content. It was believed that any significant improvement made on the ore would be more readily detected on low-grade materials than on high-grade materials.

Table 3 shows the flotation results obtained from five tests made on the Oasis sample and Table 4 gives the test operating conditions.

The results given in Tables 3 and 4 show that the Oasis talc in Test 1 was floated without any reagents and the platiness of the talc was increased from 48 per cent to 77 per cent. This definitely establishes that platy talc is more readily floated than granular

⁽¹⁾ Battelle Summary Report, February 29, 1956.

TABLE 3. SUMMARY OF FLOTATION RESULTS ON OASIS TALC SAMPLE (MINUS 65 MESH)

		Weight		Approximate M	ineral Count, per c	ent	Reagents
Test	Product	Per Cent	Platy	Nonplaty	Carbonates	Tremolite	Used
1	Float 1	32.2	77	20	1	3	None
·	Float 2	27.0	45	50	2	3	Dowfroth 200
2	Float 1	32.4	75	24	<1	<1	None
	Float 2	36.4	45	45	10	0	Dowfroth 200
3	Cleaner float	31.6	80	18	1	1	Dowfroth 200
5a	Float 1	34.6	83	16	<1	1	Dextrin
8	Float 1	26.9	82	15	1	2	Dextrin
	Float 2	56.3	60	35	1	4	
	Flotation feed	100.0	48	43	5	4	

TABLE 4. TEST CONDITIONS USED TO OBTAIN RESULTS ON OASIS TALC SAMPLE

Test	Product	Time, minutes			Pulp	Per Cent Solids	Reagent, pound per ton of
		Wetting	Conditioning	Floating	pН	in Feed	flotation feed
1	Float 1	10	0	5	8,6	13.0	None
	Float 2	0	0	5			Dowfroth 200, 0.17
2	Float 1	10	0	5	8.6	6.8	None
	Float 2	0	0	5			Dowfroth 200, 0.34
3	Cleaner float	2	10 .	5		9.0	None
5a	Float 1	5	5	5	8.6	13.0	Dextrin, 0.54
8	Float 1	5	5	5	8.6	13.0	Dextrin, 0.94

talc. The only requirement was agitation and aeration of the pulp. Additional recovery of talc was obtained by using Dowfroth 200 (a frothing and collecting reagent for talc) but the float product was essentially the same quality as the feed. Carbonates in the Float 1 product were reduced from 5 per cent to 1 per cent or less. Tremolite was more difficult to reject although less than 1 per cent was observed in the Float 1 product of Test 2. Tremolite rejection was accomplished by reducing the per cent solids in the floation feed from 13 per cent to 6.8 per cent. Test 3 was made by refloating the combined Float 1 and Float 2 products of Test 1. This yielded a product which was 80 per cent platy talc and contained 31.6 per cent of the original feed weight.

Because platy talc is more readily floated than nonplaty talc, it was believed that the addition of a talc depressant such as Dextrin might have a selective depressing action on the nonplaty talc forms which had appeared in the Float 1 products. Dextrin was used in Tests 5a and 8, and the results show that Dextrin in the amount of 0.54 pound per ton of flotation-feed solids was effective and helped to produce a Float 1 product that was about 83 per cent platy talc. Dextrin in this amount appeared to be effective in causing a small increase in recovery. In Test 8, the Dextrin added was increased to 0.94 pound per ton of flotation-feed solids. The quality of the Float 1 product was essentially the same as in Test 5a, but the weight recovery decreased to 26.9 per cent compared with 34.6 per cent when the lesser amount of Dextrin was used.

The results of the five tests on the Oasis talc show that although none of the products obtained were mineralogically equivalent to the Italian talc, substantial improvement had been obtained. The best results were obtained from Test 5a which yielded a product containing 83 per cent platy talc. A comparison of the Oasis Float 1 product with the Italian samples is given in Table 5.

TABLE 5. COMPARISON OF OASIS FLOAT 1 WITH ITALIAN NO. 1 AND NO. 2 TALCS

	Weight Per Cent	Mineral Count, per cent						
		Platy Talc	Fibrous Talc	Granular Talc	Carbonates	Tremolite		
Test 5a, Float 1	34.6	83	2	14	<1	. 1		
Italian No. 1	100.0	88-90	8~10	0	< 2	Trace		
Italian No. 2	100.0	90	6	0	3	1		

The quality of the Float 1 product approaches that of the Italian No. 1 talc, and it is not unreasonable to expect that an equivalent grade might be developed after further investigations.

The products of Test 8, which gave results of the same order as Test 5a were examined microscopically in considerable detail. Each flotation product was sized on a 200-mesh sieve and the oversize and undersize evaluated. These results are shown in Table 6.

The data given in Table 6 show that in the Float 1 product the plus 200-mesh talc is 61 per cent platy talc but the minus 200-mesh talc is 87 per cent platy talc. It is implied that better over-all results would have been obtained by grinding the Oasis sample all through 200 mesh before floating. This was not tried, and if necessary it can be done at a later stage in the program.

TABLE 6. RESULTS OF MICROSCOPIC EVALUATION OF FLOTATION PRODUCTS FROM OASIS TALC, TEST 8

•			Mineral		
•	Weight	Platy	Nonplaty	-	
	Per Cent	Talc	Talc	Carbonates	Tremolites
Flotation Feed					
-65+200 mesh	30	45	45	4-5	4
-200 mesh	70	49-50	40-43	4-5	3-4
All-200 mesh(a)	100	48	43	4-5	3-4
		3.1	. 12		
Float 1					•
-65+200 mesh	. 29	61	37	<1	2
-200 męsh	71	87	10	<1	2
All-200 mesh ^(a)	(26.9)	82	15	<1	2
Float 2		•			
-65+200 mesh	50	24	71	1	4
-200 mesh	50	70	25	1	4
All-200 mesh(a)	(56. 3)	60	35	- 1	4
AII-200 Mesik	(50. 5)	00		•	- -
Underflow					
-65+200 mesh	18	20	54	18	. 8
-200 mesh	82	22	54	15	9
All-200 mesh ^(a)	(16.8)	25	51	16	8

⁽a) Some of the plus 200-mesh particles that appear to be nonplaty are actually aggregates of minute platelets which become discrete platelets when ground finer than 200 mesh. A more accurate mineral count is obtained by grinding the entire product and then evaluating with the microscope. In addition to this, a minus 200-mesh product has a narrower range of sizes than a minus 65-mesh product which increases the accuracy of a microscopic count and finally, the minus 200-mesh product has a size range similar to the Italian talcs discussed in detail later in the report.

Sample From the Stone Creek Mine

The Stone Creek mine sample came from Montana and was supplied by the Southern California Minerals Company. This material was available because it also had been previously investigated by Battelle(1) for Johnson and Johnson as a potential raw talc source. The material on hand had been prepared to minus 65-mesh size in the same manner as the Oasis sample.

This sample contained 30 per cent platy talc and 67 per cent nonplaty talc.

Two flotation tests were made, and the results are given in Table 7. Table 8 lists the operating conditions during the tests.

TABLE 7. SUMMARY OF FLOTATION RESULTS ON STONE CREEK TALC SAMPLES (MINUS 65 MESH)

		Weight	Approximate Mineral Count, per cent							
Test	Product	Per Cent	Platy	Nonplaty	Carbonates	Tremolite				
4	Float 1	29.9	85	12	1	2				
	Float 2	13.1	30	60	10					
6	Float 1	25.5	86	10	2	2				
	Flotation feed	100.0	30	67	1	2				

TABLE 8. TEST CONDITIONS USED TO OBTAIN RESULTS ON STONE CREEK SAMPLE

Test		1.7 - 445 - 7	Time, minutes Conditioning	Floating	Pulp pH	Per Cent Solids in Feed	Reagent, pounds per ton of flotation feed
Test_	Product	Wetting	Conditioning	Floating	P11		
4	Float 1	10	. 0	3	9.0	13	None
	Float 2	0	0	3			None
6	Float 1	5	5	5	8.8		Dextrin, 0.54
0	Float 1	Ü	· ·	_			Na_2SiO_3 , 1.08

Test 4 shows that about 30 per cent of the talc is recovered in a float product containing 85 per cent platy talc. No reagents were used, which illustrates again that platy talc is more readily floated than nonplaty talc. Test 6 yielded a float product that contained 86 per cent platy talc, and 10 per cent nonplaty talc. Dextrin and sodium silicate were used to reject the nonplaty talc but the effect, from the amounts used, was not pronounced.

The quality of the Float 1 products approaches that of the Italian No. 1 talc which is 85-90 per cent platy talc. Through additional experimentation a method probably can be developed, to treat the Stone Creek talc, which will yield a product of quality equivalent to Italian No. 1 talc.

⁽¹⁾ Battelle Summary Report, February 29, 1956.

Italian No. 2 Talc

Three tests were made on Italian No. 2 talc as part of the exploratory program, and the results are given in Table 9. Tests 10 and 11 were made at 6.8 and 13.0 per cent solids, respectively, using the same reagent combination in each, to determine the weight recovery obtained at low and intermediate per cent of feed solids. The results show that at 6.8 per cent feed solids the weight recovery was 75.3 per cent while at 13.0 per cent solids the weight recovery was 85.9 per cent. Test 12 was made at 13.0 per cent solids, without any reagents, to compare with Test 11. The results show that the Float 1 product was no better than the flotation feed and also only 59.9 per cent of the weight was floated. In Test 10 the froth of the Float 1 product was broken down easily, but in Test 11 the froth was very difficult to break down and filter. Undoubtedly this would present handling difficulties in a plant.

A summary of these results indicates that:

- (1) Better recoveries are possible when using 13.0 per cent feed solids compared with 6.8 per cent feed solids.
- (2) Dextrin is effective in reducing the amount of nonplaty (fibrous) talc in the Float 1 product.
- (3) Dowfroth 200 is needed to obtain good weight recovery.
- (4) The froth of the float products is easy to break down when the per cent feed solids is low. However, the lower per cent feed solids results in a lower yield of Float 1.

Following these exploratory experiments, a program was started to improve the froth characteristics without sacrificing the platiness of the Float 1 product and to maintain or raise the per cent of weight recovery. Forty-four flotation tests were made, all on Italian No. 2 talc.

TABLE 9. SUMMARY OF PRELIMINARY FLOTATION RESULTS ON ITALIAN NO. 2 TALC

		Weight	Approximate Mineral Count, per cent								
Test	Product	Per Cent	Platy	Nonplaty	Carbonates	Tremolite					
10	Float 1	75.3	96	3	< 1	<1					
11	Float 1	85.9	96	3	<1	< 1					
12	Float 1	59.9	89	8 .	2	1					
	Flotation feed	100.0	90	· 6	3	1					

TABLE 10. TEST CONDITIONS USED TO OBTAIN RESULTS OF TESTS 10, 11, and 12

			Time, minutes		Pulp	Per Cent Solids	Reagent, pounds per ton of
Test	Product	Wetting	Conditioning	Floating	pН	in Feed	flotation feed
10	Float 1	5	5	10	8.7	6.8	Dextrin, 0.94 Dowfroth 200, 0.34
11	Float 1	5	5	10	9.0	13.0	Dextrin, 0.94 Dowfroth 200, 0.34
12	Float 1	10	0	10	8.9	13.0	None

Detailed Flotation Experiments on Italian No. 2 Talc

The methods considered in these tests called for trying various quantities of Dextrin and Dowfroth 200, replacing or supplementing Dextrin with Guartec (a guar gum), using an intermediate per cent of feed solids, stage addition of reagents, regulation of pulp pH during the flotation period, and dewatering and refloating the flotation underflow.

The complete tabulation of these results and the operational data of these tests are given in Appendix A. The more significant information contained in these tests has been abstracted and is given in the following tables.

Table 11 contains the results obtained from experiments relating to the effect that the quantity of frother used has on the amount of talc recovered.

TABLE 11. ITALIAN NO. 2 TALC INFLUENCE OF QUANTITY OF FROTHER ON WEIGHT RECOVERY OF TALC BY FLOTATION

	Float Product Weight Recovery,	Dowfroth ^(a) , pounds per ton of	Ch	naracter of Fro	th	Platy Talc,	
Test	per cent	feed solids	Good	Fair	Poor	per cent	
36	51.0	None	x			Mostly fines	
37	70.4	0.17		x ·		96	
35	83.3	0.34			x	96	
35	91.0	0.68			x	94	

⁽a) Chemical composition is discussed in Appendix A.

Each of the tests reported in Table 11 was made at 10 per cent feed solids and included Dextrin(1) in the equivalent amount of 0.47 pound per ton of flotation feed solids. The pH of the pulp was 8.6.

The results of these tests illustrate the natural floatability of the talc and the additional collecting properties of the frother. Test 36 shows that 51.0 per cent of the talc

⁽¹⁾ Chemical composition is discussed in Appendix A.

floats without any frother. The amount of talc floated increases according to the amount of frother added. However, an increase in the amount of frother added resulted in froths more difficult to handle. When 0.34 pound of frother was added, the froth was composed of a large quantity of very fine bubbles that resisted defrothing. Addition of frother in increments of less than 0.17 pound per ton of feed might lead to better froth control, and this can be tried at a later date if suitable results are not obtained by other methods.

Tests 35 and 37 both yielded a float product that was 96 per cent platy talc. However, the recovery of talc was increased from 70.4 in Test 37 up to 83.3 per cent in Test 35 by the addition of twice as much Dowfroth, although the higher recovery was characterized by a less suitable froth.

A series of experiments was made to determine the effect of per cent of solids in the flotation feed on the amount of talc recovered in the float product. The results of these experiments are shown in Table 12.

TABLE 12. ITALIAN NO. 2 TALC INFLUENCE OF FEED PER CENT SOLIDS ON WEIGHT RECOVERY OF TALC BY FLOTATION

	Float Product Weight Recovery,	Feed Solids,	C	Play Talc,		
Test	per cent	per cent	Good	Fair	Poor	per cent
10	75.3	6.8		x ,		96
21-24	83.9	13			x	96

In each of these tests the reagents added were Dextrin 0.94 and Dowfroth 0.34 pound per ton of solids. The pH of the pulp was 8.6.

The data of Table 9 show that a higher weight recovery is obtained when a higher per cent of feed solids is employed. At 6.8 per cent solids, 75.3 per cent of the weight is recovered, and of 13 per cent solids, 83.9 per cent of the weight is recovered. This is a substantial difference considering that the same degree of platiness in the float product is obtained by either approach. However, the froth produced from a feed of 13 per cent solids was difficult to handle.

The amount of Dextrin used has a marked influence on the platiness of the talc floated and a slight influence on the weight of talc recovered. Tests that illustrate the magnitude of these factors are given in Table 13.

TABLE 13. ITALIAN NO. 2 TALC INFLUENCE OF QUANTITY OF DEXTRIN ON WEIGHT RECOVERY OF TALC BY FLOTATION

	Float Product	Dextrin, pounds	Miner	al Count	
	Weight Recovery,	per ton of feed	Platy Talc,	Fibrous Talc,	
Test	per cent	solids	per cent	per cent	Froth
12	81.7	0	89	8	Good
26	82.5	0.16	90	8	Poor
21-24	83.9	0.94	96	3	Poor
Flotation feed	100.0	* =	90	6	

Each test was made at 13 per cent solids, and 0.34 pound of Dowfroth was added per ton. The pH of the pulp was 8.6.

Data given in Table 13 show that Dextrin has a tendency, although slight, to increase the weight of talc recovered. More significantly, the data show that when no Dextrin was used, the talc floated was only 89 per cent in the platy form, which is essentially the same purity as the floation feed. When the equivalent of 0.94 pound of Dextrin was added, the float product was 96 per cent platy talc.

It is indicated that Dextrin is not a talc depressant in every sense. More specifically, Dextrin acts as a depressant for nonplaty talc and a mild activator for platy talc. The distinction is not sharp, but it is evident. The separation of platy talc fron nonplaty talc may be patentable, and the Battelle Patent Section is conducting a novelty and art search on the subject.

Guartec (trade name of guar gum distributed by General Mills) is also known as a talc depressant and froth modifier. Tests were made with various quantities of Guartec to determine whether it would selectively depress nonplaty talc and also whether any improvement in the quality of the froth might be expected. The summarized results of these tests are given in Table 14.

TABLE 14. ITALIAN NO. 2 TALC INFLUENCE OF QUANTITY OF GUARTEC ON TALC WEIGHT RECOVERY, PLATINESS AND FROTHING PROPERTIES

Test	Guartec, pounds per ton of feed solids	Feed Solids Per Unit	Float Product Weight Recovery, per cent	Platy Talc, per cent	Froth
17	0.47	13	87.6	94	Fair
16	0.94	13	71.0	. 94	Good
34	0.94	20	77. 3	91	Good

In each of the tests reported in Table 14, 0.34 pound of Dowfroth was added, and the initial pH of the pulp was 8.6. No Dextrin was used.

Guartec, in the amounts used, did not aid in producing a float product that was as good as that obtained with Dextrin. When Dextrin was used, a product containing 96 per cent platy talc was obtained, but the best product obtained using Guartec was only 94 per cent platy talc. The type of froth produced with Guartec was much easier to handle, although this is not significant if satisfactory improvement in quality cannot be obtained.

The foregoing discussion describes the most significant data obtained regarding the floatability of talc when Dextrin and Guartec were used. The best results were obtained from Tests 21-24 when 83.9 per cent of the talc was recovered in a float product that was 96 per cent platy talc, 3 per cent fibrous talc, and less than 1 per cent each of dolomite and tremolite. The froth obtained by this method would be difficult to manage.

A comparison of the physical properties of raw Italian No. 1 and No. 2 talcs, and the froth flotation product from No. 2 talc, is made in Table 15.

TABLE 15. COMPARISON OF PHYSICAL PROPERTIES OF RAW AND FLOATED TALC (ITALIAN NO. 1 AND NO. 2)

	Italian No. 1	Italia	an No. 2
	Raw	Raw	Floated
Bulk Density, lb per cu ft	23.7	21.5	23.6
Acid Solubility, per cent(a)	1.9	2. 2	1.2
pH Alkalinity	9.2	8.8	8.7
Relative Lubricity(b)	0.935-0.990	0.926	1.017-1.051
Relative Abrasion(c)	0.00214	0.00259	0.00132
Weight Per Cent of Raw Talc	100.0	100.0	80-86
Mineral Count, per cent			
Platy Talc	88-90	90	96
Fibrous Talc	9	· · · 5	, 3
Dolomite	<2	3	<1
Tremolite	. <1	2	<1

⁽a) The figures for acid solubility are at variance with information submitted unofficially in a similar table to Johnson and Johnson by R. D. Macdonald. The acid solubility as shown above is considered accurate, and a description of the method of analysis and the reason for using it will be discussed in a forthcoming report.

Table 15 shows that the floated Italian No. 2 talc has a more desirable mineral composition than the raw talc, less acid-soluble constituents (dolomite equivalent), better lubricity, and is about one-half as abrasive.

Although the possibilities of further improvement of quality, recovery, and froth properties were far from exhausted when using Dextrin or Guartec, a different approach seemed advisable for two reasons. First, Dextrin and Guartec, although not toxic, might be objectionable because they are organic compounds that may cause rancidity or fungus growth if not thoroughly removed or destroyed during the process. This, of course, would be undesirable for baby powder. The second reason for a different approach is that a more controllable froth is desirable. In nonmetallic flotation processes, excessive frothing is not uncommon when the operation takes place in pulps having a high pH value. Most of the foregoing tests were made at a pH of about 8.6, and while this is not considered extremely high, investigation of lower pH values appeared to be worth while. In order to lower the pH to approximately neutral, it was decided to use an inorganic acid, such as hydrochloric, and complete the flotation before the acid was neutralized by the dolomite in the pulp and before the pH began to rise noticeably.

A series of tests was made using hydrochloric acid as a pulp modifier with some encouraging results. Data obtained from these experiments are shown in Table 16.

⁽b) The larger the number, the more lubricious the talc. See Battelle Progress Report to Johnson and Johnson "Studies of the Physical Properties of Talc, Their Measurement and Comparison", by W. L. Smith, October 15, 1957.

⁽c) The implication of these numbers will be discussed in a forthcoming report. The more abrasive material produces the highest number.

TABLE 16. FLOTATION RESULTS OBTAINED USING HC1 AS A PULP MODIFIER AND VARIOUS AMOUNTS OF DOWFROTH AS A TALC COLLECTOR (ITALIAN NO. 2 TALC)

			Float Product		
	Dowfroth, pounds per	Feed Solids,	Weight Recovery,	Platy Talc,	
Test	ton of feed solids	per cent	per cent	per cent	Froth
43-46	None	10	60.2	98	Good
52-55	0.04	10	57.8	98	Good
39	0.11	10	71.1	97	Good
43-46	0.13	10	74.5	97	Good
52-55	0.17	10	76.6	97	Good
41	0.22	10	77.6	95	Fair
40	0.21	10	76.7	94	Poor
50	0.17	13	77.1	96	Good
51	None	3	53.0	97	Good

In each test the equivalent of 0.09 pound of HCl per ton of ore was added, and the pulp pH was about 7.6-7.8. The wetting time before reagent addition was 5 minutes, and the conditioning time with HCl before flotation was 2-3 minutes.

The results given in Table 16 show that a float product containing at least 97 per cent platy tale and having acceptable frothing properties is readily obtained.

Increasing the amount of frother increased the weight recovered, but it was noted during this series of tests that 0.11 pound of Dowfroth was about the maximum that could be added to obtain the Float 1 product without encountering frothing problems. The float products all filtered rapidly but the underflow products filtered slowly. This suggests that the solids in the underflow are much finer than the float products.

The size distributions of the products obtained from Tests 43-46 were determined. These were discussed in a letter report dated April 1, 1958, to Dr. W. H. Lycan. The data show that the flotation feed was 13.5 per cent finer than 4.7 microns but the flotation underflow was 26.7 per cent finer than 4.7 microns. Although the Float 1 product contained only 9.7 per cent of the weight finer than 4.7 microns, it is our belief, as judged from handling of the product, that flotation alone did not remove enough particles of dust-forming size to be acceptable. Elimination of those sizes which create air borne talc particles probably will require a cyclone type of treatment, and a number of experiments are planned to determine what factors are involved and whether hydraulic or pneumatic cyclone treatment is the more feasible.

CONCLUSIONS

Data and observations obtained from the flotation tests to date have established that:

- (1) Platy talc floats more readily than nonplaty talc.
- (2) A frothing agent, such as Dowfroth 200 is helpful in obtaining reasonable talc recovery.

- (3) About 13 per cent solids is the optimum feed pulp density for treating Italian No. 2 talc.
- (4) Either Dextrin or hydrochloric acid is an effective reagent for rejecting nonplaty tale.
- (5) When Dextrin is used to depress nonplaty talc, the froths produced are voluminous and difficult to handle. When hydrochloric acid is used to regulate the pulp pH and depress nonplaty talc, the froths produced are normal and will filter rapidly.
- (6) Italian No. 2 talc can be floated to yield a product which is mineralogically superior to Italian No. 1 talc.
- (7) Oasis and Stone Creek types of ores can be floated to yield products that approximate the quality of Italian No. 1 talc. It is believed that methods can be developed for these types of talc which will yield satisfactory products.
- (8) Flotation will reject some of the objectionable fine talc, but more complete removal of the fines probably will require classification by hydraulic or pneumatic cyclones.

FUTURE WORK

Future experiments would have as an objective a higher recovery of platy talc. Such experiments would be based on the use of hydrochloric acid to control the pulp pH and thereby the rejection of nonplaty talc while using different techniques of frother addition for improved recovery.

Flotation alone does not reject a sufficient amount of the particles which are potential dust; therefore, experiments would be made to remove these sizes by hydraulic cyclones.

After optimum beneficiation conditions have been obtained, it would be planned to produce enough product for various physical measurements and also enough product to send to Johnson and Johnson for their subjective appraisal.

We propose to investigate the feasibility of nearly complete removal of dolomite by leaching the float products with an inorganic acid. Nearly complete removal of dolomite would be necessary if it is important to obtain a talc product having a neutral pH.

Flotation tests would be made on samples of Italian No. 2 talc which represent different lots or shipments in order to establish that the beneficiation process is applicable to any potential differences in source material.

The original notes on the laboratory work described in this report are in Battelle Laboratory Record Book No. 14265, pages 1 to 100, inclusive; and also in Laboratory Record Book No. 14668, pages 1 to 33, inclusive. The work was done in the period from December 11, 1957, to May 12, 1958.

WEB:WLS:RDM/dpc

APPENDIX A

DETAILS OF FLOTATION WORK

A-1 and A-2

TABLE A-1. DETAILED RESULTS OBTAINED FROM FLOTATION OF ITALIAN NO. 2 TALC

		Weight		Approxi Mineral per ce	Count,		Feed, solids	Flota- tion		Reager pounds of		,					
		Per			Dolo-	Tremo-	per	Time,		Y		Dowfrot	<u></u>	Froth	Char	acter	
Test	Product	Cent	Platy	Nonplaty	mite	lite	cent	min	Dextrin	Guartec	HCI	200	Other	Good	Fair	Poor	Remarks
Flotation Feed	Italian No. 2	100.0	90	6	3	1											
11	Float 1	85.9	96	3	<1	<1	13	10	0.94	0	0	0.34	0			x	
12	Float 1	59.9	89	8	2	1	13	10	0	0	0	0	0	X			Same purity as feed
	Float 2	21.8		-	4		13	5	0	0	0	0.34	0	X			
	Float 3	7.3		etermined				5	0	0	0	0.17	0	X			
13	Float 1	87.2	93	6	1	<1	13	10	0.94	0	0	0.34	0			X	Tap water used to pulp solids
14	Float 1	84.4		etermined	٠,		13	10	0.94	. 0	0	0	0.34(a)			X	
15	Float 1	64.4	95	4	<1	<1	13	5	0.94	0	0	0.17	0		X		
	Float 2	16.6	92	6	1	1		5	0	0	0	0.17	0		X		
16	Float 1	71.0	94	ND	ND	ND	13	5	0	0.94	0	0.34	0	X			Filtered quickly
	Float 2	15.0		etermined				5	0	0	0	0.34	0	X			
17	Float 1	87.6	94	5	<1	</td <td>13</td> <td>5</td> <td>0</td> <td>0.47</td> <td>0</td> <td>0.34</td> <td>0</td> <td></td> <td>X</td> <td></td> <td></td>	13	5	0	0.47	0	0.34	0		X		
	Float 2	7.3	91	6	2	1		. 5	0	0	0	0.34	0	X			Same purity as feed
18	Re- cleane		96	3	<1	<1	13	15	0	0.47	0	0.34	. 0		X		Float 1 refloated twice
19	Cleaner			etermined			13	15	0.47	0.11	0	0.34	0			X	Float 1 refloated once
20	Float 1	66.6		etermined			13	5	0.94	0.61	0	0.34	0		X		
01.04	Float 2	10.7		etermined	. 4		13	5	0.47	0	0	0.17	0	X			Burner America
21-24	Float 1	83.9	96	3	<1	<1	13	10	0.94	. 0	0	0.34	0			X	Duplication of Test 11; average of four tests
25				ause of co						_	_		_				
26	Float 1	82.5	90	8	<2	<1	13	10	0.16	0	0	0.34	0			X	
27	Float 1	75.0		etermined			13	10	0.16	0	0	0.17	0		X		
28-32	51			ause reage					•				•				
33	Float 1 Float 2	68.1 20.7	92 87	5 6	1 3	2 4	13	5	0	0.94 0	0	0.34 0.34	0	X			
34	Float 2	77.3	91	6	2	1	20	5 5	0	0.94	0	0.34	0	X			
34	Float 2	12.9		etermined	4	•	20	3	U	0.34	·	0.34	U	^			
35	Float 1	83.3	96	2	<1	1	10	10	0.47	0	0	0.34	0			x	
	Float 2	7.7	91	ì	ì	ī	••	5	0	Ö	Õ	0.34	Ö	x			
36	Float 1	51.0		etermined	•	•	10	10	0.47	Ŏ	Ö	0	Ŏ	X			Predominantly fine particles
	Float 2	27.6		etermined				5	0.47	Ō	0	0.34	0	X			Contains coarse platelets and contaminants
37	Float 1	70.4	96	2	<1	1	10	10	0.47	0	0	0.17	0		X		
	Float 2	16.3	Not de	etermined					0.94	0	0	0.85	0	X			•
38	Float 1	83.1	Not de	etermined			10	10				0	0.50(b)			X	
39	Float 1	52.5	99	<1	<1	<1	10	ND	0	0	0.9	0	0	x			Exceptionally good grade; at
	Float 2	18.6	96	3	<1	<1		ND	0	0	0	0.11	0	x			end of test pH of pulp was 7.4
40	Float 1	76.7	94	4	2	1	10		0	0	0.09	0.21	0			X	
41	Float 1	68.3	96	2	<1	1	10	7	0	0	0.09	0.11	0		X		
	Float 2	9.3	93	4	<1	<2		5	0	0	0	0.11	0	X			
42		Discar	ded bec	ause of co	ontamin	ation											
43-46	Float 1	60.2	98	1	<1	<1	10	10	0	0	0.09	0	0	X			Filtered rapidly
	Float 2	14.3	96	2	1	1	5	0	0	0	0	0.13	0	X			Filtered rapidly
	Under- flow	25.5	67	21	6	6											pH of pulp was 7.6, filtered slowly
47		Discan	ded bec	ause of co	ontamin	ation							_				
48	Float 1	58.0	Not de	etermined		٠	10	10	0	0	0	0	0.30(c)) x			Reagent 620 produced buff-
	Float 2	14.2	Not d	etermi ned				3	0	0		0.11	0	X			colored products
49	Float 1	To be i	repeate	d, results	questio	nable		10	0	0,	0.09		0	X			Flotation feed source was obtained
	Float 2							5	0	0	0	0.13	0	X			from cyclone underflow
50	Float 1	62.8	97	2		Trace	13	10	0	0	0.09		0	X			
	Float 2	14.3	94	5	<1	1		8	0	0	0		0	X			
51	Float 1	53.0	97	2	<1	<1	3	10	0	0	0.09		0	X			
52-55	Float 1	57.8	98	<2	<1	<1	10	5	0	0		0.04	0	X			
/·\	Float 2	18.8	96	3	<1	<1	_	5	0	0	0	0.13	0	X			
56(a)	Scav-	6.1	95	3	<1	1	7	10	0.89	0	0.13	0.11	0 ,	X			Underflow from Tests Nos. 52-55 was cycloned and cyclone under- flow used as flotation feed

Note: Some tests are not evaluated mineralogically because of unsatisfactory froth characteristics or because weight recovery was too low. Reagents used: Dextrin is made by hydrolysis of starch and manufactured by Clinton Foods Incorporated, under the name of Dextrin 603.

Guartec is the General Mills trade name for guar gum.

HCI is reported as pounds per ton of reagent grade hydrochloric acid which is about 38 per cent of HCI.

Dowfroth 200 is a water-soluble frothing agent manufactured by the Dow Chemical Company. The chemical formula is CH3-CH-CH2-O-C3H6-O-C3H6-O-CH3.

⁽a) Dowfroth 250. (b) Ultrawet "K".

⁽c) Reagent 620.

ОH (d) Test 56 was made on the underflow product of Tests 52-55, and recovery of 6.1 per cent refers to the original feed for Tests 52-55.

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APPENDIX B

FROTH FLOTATION

B-1

APPENDIX B

FROTH FLOTATION

Froth flotation is a process of material separation for solid particles, usually finer than about 200 microns in size. The separation takes place in an air-water mixture, and is a result of the adhesion of certain particles to air bubbles and the wetting of other particles by the water phase. Whether a particle will adhere to the air phase and be floated, or be wetted by the water phase and sink depends on the character of its surface.

Materials that either ionize or hydrate in water are nonfloaters, and most minerals are in this group. Sulphur, graphite, and talc are exceptions and are called natural floaters. Materials with a hydrocarbon surface, such as solid paraffin, are not wetted by water and will adhere to air bubbles. A material normally water wettable and nonfloatable can be made nonwettable and readily floatable by coating it with a monomolecular film of a paraffin-type chemical (collector), which presents a surface to the air-water mixture essentially the same as solid paraffin. The polar part of the chemical causes the hydrocarbon chain (nonpolar group) to stick to the surface of the mineral.

The reagents employed in flotation, grouped according to their function, are frothers, collectors, and modifiers. In the flotation of talc, however, collectors play no part and are not discussed here because talc has a naturally nonwettable surface.

Frothers

Frothers reduce the surface tension of the water and stabilize the air bubbles. The frother molecule is heteropolar: one part of the molecule has an affinity for water and the other has an affinity for air. The most widely used frothers are pine oils, cresylic acid, and various aliphatic alcohols. Substances with structures similar to alcohols, phenols, ketones, or aldehydes are most suitable, but many other organic compounds are potential frothers.

Frothers usually have only slight collecting properties, that is, they do not adsorb on minerals in such a way as to make the surface nonwettable. Some outstanding exceptions are that certain frothers aid in the collection of talc, graphite, molybdenite, sulphur, and coal, and this fact has been used in the work done on Italian talc.

Modifiers

Modifiers are chemicals which can be used to affect the wettability or nonwettability of a surface. They are used most commonly in connection with collecting reagents, to modify the degree of surface action, so that species of minerals may be separated with greater selectivity. Modifiers also affect the surface characteristics of naturally nonwettable minerals such as talc, and can be used to increase the quantity of talc which will float under a given set of conditions or the quantity of waste material which can be prevented from floating.

B-2

Modifiers usually are inorganic reagents, but some organic ones are used also. Some of the common ones are hydroxides, oxides, silicates, carbonates, and phosphates of sodium or calcium, mineral acids, short-chain organic acids, starch, dextrin, gums, and glues.

Flotation Variables

Every ore contains at least a small quantity of soluble salts, and the water used for milling, regardless of its purity, contains many kinds of ions. This means that every flotation system, before the addition of any reagents, contains literally dozens of ions which are capable of competing for a place on the surface of mineral particles. After the addition of collecting, frothing, and modifying reagents, this situation is further complicated, and when the air is introduced, the oxygen and carbon dioxide of the air take their turn at altering the pulp conditions.

In addition to the chemical variables, there are physical and mechanical variables in a flotation system, such as particle size, water to solid ratio, speed of agitation, flotation time, place of reagent addition, type of machine used, temperature, cell arrangement, and sequence of mineral flotation. The kind and quantity of slime present in a flotation pulp are also factors of importance.

The combination of these chemical, physical, and mechanical variables results in a heterogeneous system of such complexity that it defies the time-honored method of scientific investigation, which is, to change one variable while holding all others constant. The change of any one variable simultaneously changes many others. For example, a change in acidity (pH) by the addition of hydrochloric acid will not only change the concentration of hydrogen, hydroxyl, and chloride ions present in accordance with the laws of mass action, but it may change the concentration of nearly every ion present in the pulp, and any one of these concentrations may be critical to successful flotation. In addition the change in acidity will affect the ability of the frother to produce a stable froth.

Flotation as an Art

It is because of this inherent complexity that flotation is often referred to as an art rather than a science. Successful results on any ore are obtained only by an "artistic balance" of the many variables. Actually, the picture is not so bad as might be supposed, for the majority of the variables usually are of minor importance and only five or ten must be studied closely.

This brief discussion of flotation variables is included to stress the point that each ore presents its own intricate system, and that the set of conditions which gives optimum results for one ore may require modification for another.

Laboratory Flotation Procedure

The flotation equipment used for these experiments is the standard Fagergren Laboratory Flotation Cell of 500 gram solids nominal capacity. It is a batch machine, but it is known that the results obtained with this type of equipment can be translated reasonably well in terms of large-scale continuous commercial operation. The

B-3 and B-4

Fagergren cell is made up of a cylindrical glass bowl which will hold about 1.75 liters of pulp. The pulp is agitated by a rotor which is placed concentrically inside a stator, both of which are made up of multiple stainless steel rods in a rotunda configuration. As the rotor spins in the pulp, a partial vacuum is created directly beneath it which draws air through a concentric shaft and discharges it at the bottom of the cell. As the air enters the pulp, it is expelled with great shearing force between the rotor and stator and becomes diffused in the form of minute bubbles in the pulp.

The general laboratory procedure used for the flotation of talc samples was as follows:

Pulverized talc and water were added to the flotation cell in the proportions that would give the desired per cent of solids. The rotor was started and the pulp agitated until the solids were wetted. Selected reagents were then added and the pulp conditioned for a few minutes. The air was turned on and the flotation period started. The mineralized froth which forms on the surface of the pulp was skimmed off with a paddle for a specified time or until no more froth formed. Additional reagents were added, if desired, for increased recovery of talc. During the test, records were kept to show the type of water used, per cent solids, pH, quantity and kind of reagents, time allowed for conditioning and flotation, and other significant observations.

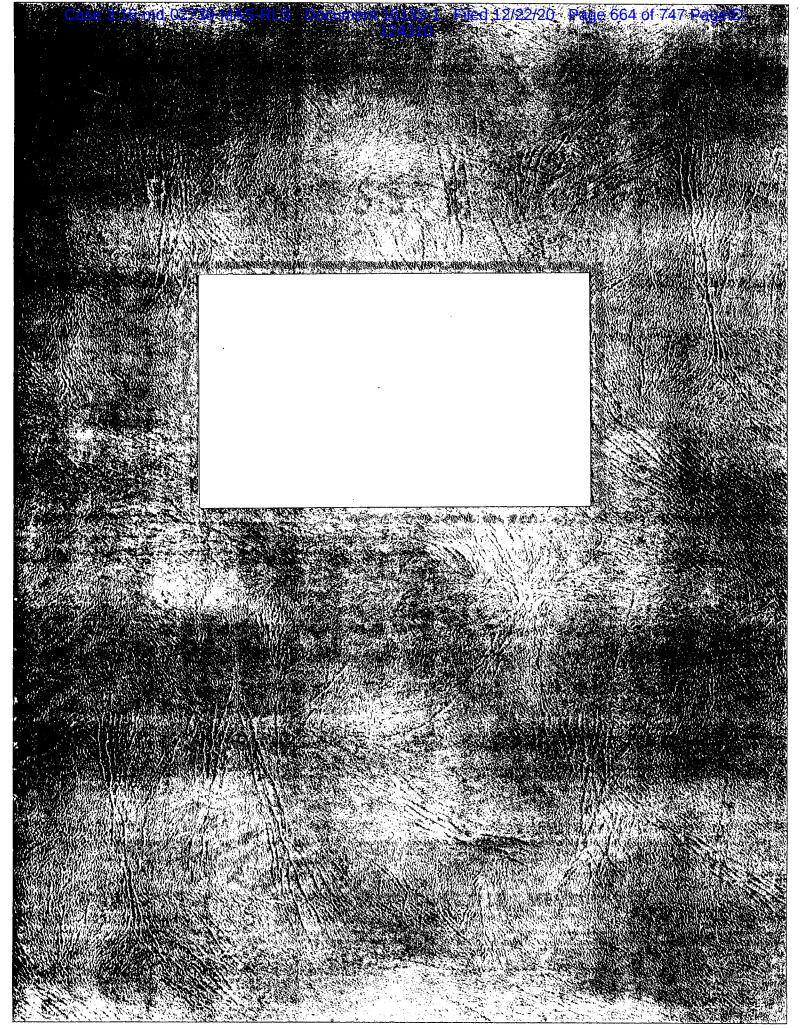
If the froth, or float product, was not of the desired purity, some of the standard methods for improvement were:

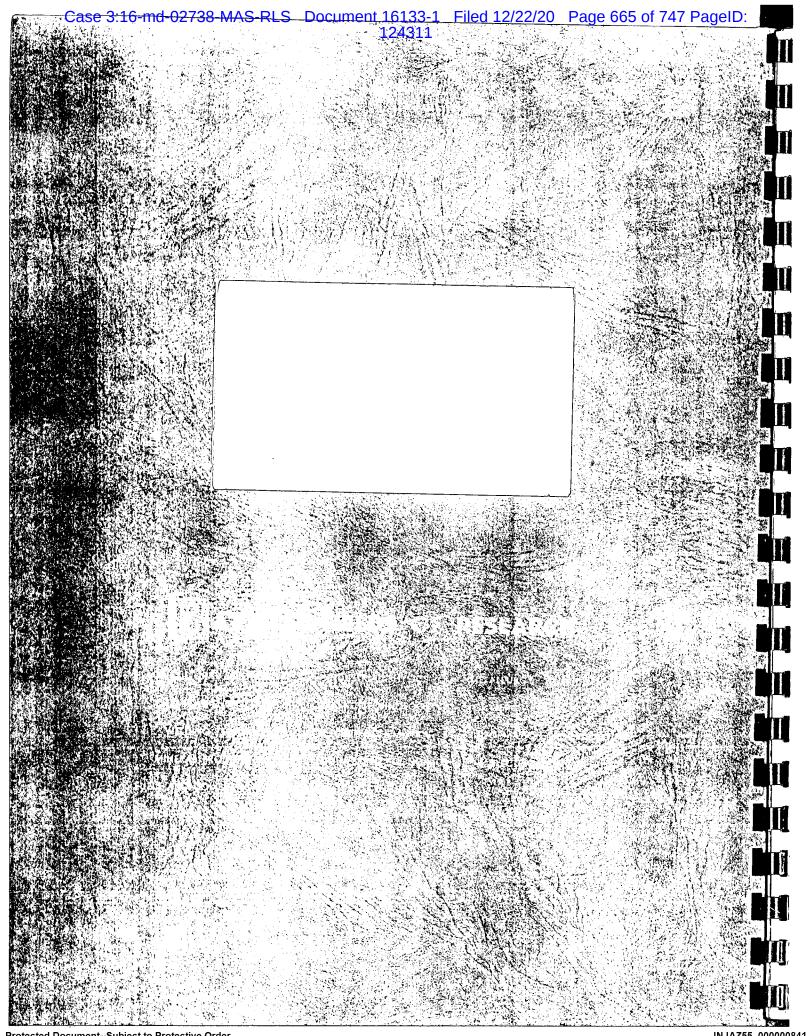
- (1) To decrease the rate of aeration, which decreases the rate of froth overflow
- (2) To decrease the per cent solids in the flotation feed
- (3) To use less powerful frothing reagents
- (4) To use a more effective depressant
- (5) To refloat the froth in a second-stage operation
- (6) To make the separation at another pH level
- (7) To decrease the time of froth collection.

Some of the methods used to increase the recovery of high-grade platy talc were:

- (1) To increase the rate of aeration
- (2) To increase the per cent solids in the pulp
- (3) To dewater the underflow and repeat the test on the unfloated solids and at a relatively high per cent solids.

Exhibit 24





PROGRESS REPORT

on

THE PHYSICAL CONCENTRATION OF TALC ORES--FLOTATION OF ITALIAN NO. 2 TALC

to

JOHNSON AND JOHNSON

July 31, 1959

by

W. E. Brown

BATTELLE MEMORIAL INSTITUTE
505 King Avenue
Columbus 1, Ohio

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Battelle Memorial Institute

505 KING AVENUE COLUMBUS I, OH!O

July 31, 1959

Mr. W. H. Ashton Research Department Johnson and Johnson New Brunswick, New Jersey

Dear Mr. Ashtons

We are sending you six copies of our Progress Report, "The Physical Concentration of Talc Ores--Flotation of Italian No. 2 Talc", by W. E. Brown. This report presents most of the data on which our current pilot operation is based. It includes laboratory work done before May 15, 1959. Some additional laboratory data will be given in a later report.

A similar report, concerning the flotation of Italian run-of-mine talc is in preparation. It is planned to include in this report a discussion of flotation factors which are common to both dry-ground and wet-ground talc.

We would be pleased to have your comments on this report.

Sincerely yours,

R. D. Macdonald

RDM:1b Enc. (6)

CC: Dr. W. H. Lycan Mr. C. V. Swank

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PROGRESS REPORT

on

THE PHYSICAL CONCENTRATION OF TALC ORES--FLOTATION OF ITALIAN NO. 2 TALC

to

JOHNSON AND JOHNSON

from

BATTELLE MEMORIAL INSTITUTE

by

W. E. Brown

July 31, 1959

INTRODUCTION

The First Progress Report on the Physical Concentration of Talc Ores--Flotation was issued to Johnson and Johnson May 23, 1958.

The objectives of the investigations are:

- (1) To obtain a product which consists essentially of talc platelets.
- (2) To reject talc particles which are of a size and shape that create unpleasant dusting while dispersing talc from a container.
- (3) To obtain a talc product with an obvious sheen in order to convey to the consumer the immediate impression that the talc is of the highest quality.

In addition to achieving the foregoing objectives, it is desirable that the finished product will meet the following specifications:

Moisture: Not more than 0.15 per cent

Solubility in Hydrochloric Acid: Not more than 6 per cent

Fineness: Not less than 99.7 per cent through a 100-mesh sieve Not less than 98.5 per cent through a 200-mesh sieve

Microscopic Structure: Shall be platelets, and show no acicular or excessive granular crystals

Bulk Density: Not less than 22 nor more than 27 pounds per cubic foot, when tested by the Scott Volumeter.

In further keeping with the standards of production, it is desirable that the finished talc product have essentially the same whiteness as that currently being marketed by Johnson and Johnson. Another objective is to reduce the alkalinity of the raw material so that the pH value of a moistened sample will approximate neutrality, or a pH of 7.

The only methods of physical beneficiation employed in work covered in the First Progress Report was flotation. Froth products obtained were 60.2 per cent of the original weight and contained 98 per cent platy talc. The product contained less than 1 per cent each of nonplaty (fibrous) talc, dolomite, and tremolite. A sample of this product was given to Johnson and Johnson, who approved of it and agreed that it was a highly improved talc, and preliminary discussions of a pilot plant were started.

However, the above-mentioned improved talc containing 98 per cent platy talc and having a 60.2 per cent yield contained about 25 per cent of minus 10-micron particles which are potential dust. Although there was an appearance of a refined product, Johnson and Johnson desired to have a talcum powder exhibiting a more pronounced luster.

The future work that was suggested, most of which is covered in this Second Progress Report, included investigations for:

(1) Increasing the weight recovery of talc without decreasing the quality.

- (2) Removing dust-forming particles from the finished talc.
- (3) Producing enough improved talc for certain physical properties measurements and also for Johnson and Johnson's subjective appraisal.
- (4) Removing the residual dolomite from the beneficiated product by acid leaching.

During the experimental program discussed in this report, Johnson and Johnson requested that more emphasis be placed on obtaining a product with a high luster and to make supplemental investigations that would provide data as a basis for the design, construction, and operations of a pilot plant.

SUMMARY -- ITALIAN NO. 2 TALC

Italian No. 2 talc contains 27.2 per cent of its weight finer than 9.7 microns. This is objectionable because of excessive dust and because the presence of fines is detrimental to good flotation results.

Single-step hydraulic cycloning in a 30-mm-diameter cyclone was effective in removing up to 83.9 per cent of the minus 10-micron size particles.

Data obtained from the experiments showed that ranges of satisfactory results would be obtained depending on operating conditions. Cyclone underflows, which comprise the flotation feed, were obtained containing from 6.5 to 8.1 per cent of the weight finer than 10 microns. The amount of original weight recovered as cyclone underflow varied between 64.7 and 70.6 per cent.

Flotation products containing 97 to 99 per cent of platy talc were obtainable without cycloning. Such products contained almost 25 per cent of their weight finer than 10 microns.

Flotation products containing 97 to 99 per cent of platy talc were also obtained from a cycloned product. Such products of flotation contained only 6.6 per cent of the weight finer than 10 microns.

Hydrochloric acid added in the correct quantity, between 1.13 and 2.30 pounds per ton of feed solids, was effective in maintaining the purity of finished talc at 97 to 98 per cent platy particles. This amount of acid created a pulp pH ranging between 6.9 and 7.8 during flotation.

Sulphuric acid was not a satisfactory substitute for hydrochloric acid when added in similar amounts and with similar pulp pH levels.

Deionized water, as a talc slurrying agent, gave better flotation products than soft or tap water and tap water gave better results than soft water.

Deionized and tap water yielded flotation products containing 97 to 98 per cent platy talc with recoveries approaching 60 per cent of the feed weight. When soft water was used, the Float-1 product was 93 to 95 per cent platy talc and the recoveries dropped to about 40 per cent.

Pulp density of flotation feed is important to froth control and purity of the froth product. Flotation experiments made at feed densities of about 10 per cent solids gave voluminous froths carrying as much as 1.2 per cent of dolomite although the platy content was 97 to 98 per cent. When the pulp density was lowered to about 8 per cent solids, the froth properties were satisfactory and the float product contained only 0.3 per cent of dolomite.

Only completely water-soluble frothers were used in the flotation experiments. The maximum amount of frother which would yield good froth products in the Float-1 step is about 0.08 pound per ton of feed solids. More than this amount creates a troublesome froth and a decrease in platy talc content. Dowfroth 250 is a stronger promoter for flotation of talc than Dowfroth

200, but there is no basis for ranking one over the other without further study.

Flotation products dried at temperatures below 1100 F were not affected by the heat. Above 1100 F the particles began to change to a tan or creamy color and become gritty.

No flotation products were made from Italian No. 2 talc that had what would be classified as high or outstanding luster. Products showing 98 or 99 per cent platy talc frequently did not exhibit much more luster than those which were only 95 or 96 per cent platy talc.

Techniques which Battelle believes are important in maintaining the luster or effecting a slight improvement in luster are:

- (1) Removal of minus 10-micron particles.
- (2) Complete washing of the filter cake to remove dissolved mineral salts and flotation reagents.
- (3) Using deionized water as a slurry agent for the entire process.
- (4) Drying the talc at temperatures below 1100 F.

Removal of the minus 10-micron talc alone will cause the talc to have a refined appearance and although the luster is improved slightly it is not an outstanding feature.

The summarized conclusions are that Italian No. 2 talc was satisfactorily beneficiated in the laboratory to the extent that the results warranted the construction of a pilot plant to establish that the talc could be processed on a continuous basis in a commercial manner.

METHOD OF EVALUATION OF PRODUCTS

Johnson and Johnson, at the outset of the talc beneficiation program, had set as one of the principle objectives the production of a talc product

consisting essentially of talc platelets. This is because platy talc is nonirritating and imparts a pleasant feeling when applied to the skin. Mineral particles which are acicular, blocky, gritty, or excessively fine impart an unpleasant feel or produce an irritating effect. Unfortunately, this is a subjective evaluation and the relative amount of pleasant or unpleasant feeling will not be the same for all people, particularly when the true differences are relatively slight.

Nontalc particles in a powder, such as dolomite, can be determined accurately by chemical analyses or approximated from a microscope count. Nontalc particles of gritty or abrasive nature can also be assigned relative values by certain measurements obtained from lubricity board(a) and abrasion pellet tests(b). However, investigations with the lubricity board and abrasion testing apparatus were not carried far enough to determine whether the information obtained from them is useful in evaluating powders in terms of platy talc versus fibrous talc. At this time, the only satisfactory method of accounting for the proportions of platy talc and fibrous talc in a powder is by making an actual count of the particles observed in the field of a microscope.

A talc sample to be evaluated is dusted onto a glass slide which has been spotted with oil having a refractive index of 1.520. The dust is dispersed in the oil by stirring with a fine probe. The oiled sample is then covered with a glass cover plate and placed in the field of a polarizing microscope with the objectives selected for about 75X.

⁽a) Battelle Progress Report, Studies of the Physical Properties of Talc, Their Measurement and Comparison, by W. L. Smith, October 15, 1957.

⁽b) Battelle Progress Report, Further Studies on the Measurement and Correlation of the Physical Properties of Talc, by W. L. Smith, May 9, 1958.

Light is then adjusted to reflect upward through the sample to the eyepiece. The eyepiece having two crosshairs fixed at 90 degrees to each other is focused on the field. Particles which coincide with the crosshairs are counted and classified as platy talc, fibrous talc, dolomite, or tremolite and sometimes accessory minerals.

Statistically, the more particles counted the higher will be the accuracy providing the identifications are accurate and the sampling reliable.

The probably sources of error in counting are:

- (1) Failure to count enough particles
- (2) Sample not representative
- (3) Improper identification of particles
- (4) Personal element of unintentional prejudice arising from the examiners foreknowledge of the approximate quality of the product
- (5) Quality of product being examined.

 A discussion of each of these errors follows:

Failure to Count Enough Particles

By trial and comparison, it was established that a minimum of 250 to 300 particles should be counted. Counting less than this amount may give erratic results. An example of an evaluation made on a product in which counts of 300, 600, and 900 particles were made shows:

		Platy Tal	.c Content
Number of Particles Counted		Direct, per cent	Cumulative, per cent
First	300	98.7	98.7
Second	300	99.7	99.2
Third	300	98.3	98.9

The foregoing data show a maximum deviation of 1.4 percentage points for individual counts of 300 particles. The amount of platy talc, computed after counting 300 particles was 98.7 per cent and the result of counting 900 particles showed the sample contained 98.9 per cent or a difference of 0.2 per cent from the first 300 count of 98.7 per cent. It would seem from this information that ordinarily a count of 300 particles would be sufficiently accurate when evaluating talc powder of this approximate purity. Acceptable accuracy as related to quality of product examined is discussed in subsequent sections of this report.

Sample Not Representative

All samples to be evaluated should be completely dry to obtain a uniform dispersion in the oil. Also, all samples should be screened at the known limiting size at which the sample had been originally prepared. Finally, the sample should be well mixed so that segregation of sizes is avoided.

Even with these precautions, there will be occasions when sample specimens will appear much different than duplicate specimens of the same sample. This is not always readily explainable and must be guarded against. Usually the person who made the product will spot an anomaly at once and a closer examination is requested on a new specimen.

Improper Identification of Particles

Nearly whole and large platelets are rarely improperly identified. Small particles become more difficult to identify if hurriedly examined. The mineralogy of Italian No. 2 talc is such that most of the nonplaty talc and tremolite are finer than the major part of the powder. Dolomite usually is fine but some relatively large particles do appear. However, dolomite is

quite distinctive and not easily misjudged. Some caution must be used in distinguishing between nonplaty talc, shards of platelets, and transitional talc-tremolite. Occasionally a platy talc particle will be oriented so that the cross section only is visible. When this condition exists, it is easily mistaken as nonplaty talc or tremolite. After the rest of the field has been counted, locate this particle again. Gently tap the glass cover plate with a pencil a few times to see if the particle is on edge and when moved if it will fall over and exhibit a platy surface. At other times, when the light passing through a particle happens to strike at just the right angle, one may get the impression of a piece of fibrous talc when actually the light is only accentuating the edge of a large platelet.

Personal Element in Evaluations

The same bias has been observed here as frequently is encountered in one sampling. There are some psychological aspects involved which will tend to influence a person's decision when there are choices to be made, especially if the person making the count has a knowledge of the background of the sample. Naturally, the best way to avoid this is to have the sample evaluated by an examiner totally unfamiliar with the source of the sample. This may not always be practicable or desirable because a nonrepresentative sample is quickly spotted by a person who knows its approximate content and who, too, may observe other characteristics such as unusual fineness or coarseness of the whole sample or of certain mineral species.

A comparison of mineral count obtained from three different competent examiners on the same specimen should not differ more than 2 and at the most 3 percentage points of platy content especially when considering materials having a platy content in excess of about 85 to 90 per cent.

Quality of Product Being Examined

Experience has shown that, when the number of particles counted is limited to about 300, the variations in results are smaller for high purity than for low purity products. Samples having a true platy content of 98 per cent may be expected to be counted as high as 99 or as low as 97, rarely 96. Samples having a true platy content of about 40 per cent may be counted as high as 50 and may be as low as 30, unless a very large count is made. Therefore, it would seem advisable that low-quality talc products be evaluated by more than one examiner and perhaps that the amount of particles counted be increased to 1000 or more, using an average of the results as an acceptable count.

The question may arise as to what deviation in count is significant and what range of difference is allowable. To a large degree, this is related to the importance attached to the product being considered. It is almost impossible to determine subjectively whether the particles are 99 per cent platy talc and 1 per cent fibrous talc or whether they are 97 per cent platy talc and 3 per cent nonplaty talc. On the other hand, it is believed possible that some question may arise as to whether 95 per cent platy talc looks and feels as good as 97 or 99 per cent platy talc. It is conceivable that some people could make this distinction by feel and visual appearance. It is rather likely that there would be a visual distinction owing to a decrease in luster.

No physical or objective method has been devised that will make an unquestioned distinction between small differences in platy and nonplaty talc content. The microscope is still accepted as the best means for identification.

In the microscopic evaluation of results given in this report, not much significance has been attached to the difference in products reported as 99, 98, or 97 per cent platy talc. However, a figure of 97 compared with 99 may indicate a trend and be a warning to be observant and thoroughly investigate any changes reported outside of this range. A change in processing technique that yields a product containing 99 per cent talc and which formerly had been reported as 95 or 96 per cent definitely would be classed as significant.

EXPERIMENTAL WORK

Cycloning (Hydraulic Classification)

Johnson and Johnson had expressed a desire that objectionable dust be removed from the talc, although no set specification was given concerning the objectionable size that should be removed.

A few experiments were made by dispensing baby talcum powder from a can into the air. The particles still suspended in the air, a few seconds after dispensing, were collected on a wetted glass microscope slide. The particles were then measured microscopically and found to have a maximum size of about 12 microns. These particles, 12 microns and finer, would be typical of what might be inhaled and cause discomfort. A reference in the cosmetic literature was found which states, "The pore is not wider than 10 microns in diameter."(a). Hence, the particle sizes which could easily be objectionable are finer than about 10 or 12 microns (about 0.0004 inch).

⁽a) Cosmetics Science and Technology, Edward Sagarin, Editor, Interscience Publishers, Inc., New York, 1957. Chapter "Physiology and Pharmocology of Sweating", page 1194.

In addition to the objection to fine particles from a physiological standpoint, there also is an objection from a mineral processing standpoint. It is generally acknowledged that a large amount of particles finer than 5 or 10 microns make selective flotation difficult. Such particles tend to float nonselectively, promote froths which are difficult to handle, and consume excessive amounts of reagents.

Therefore, the removal ofparticles finer than about 10 microns would be a distinct advantage from both viewpoints.

Hydraulic cyclones are widely used in the mineral and chemical industry for particle size classification (separation) over a large range of sizes. For the coarser sizes, about 35 mesh, there are other types of classifying devices. For the finer sizes, such as 10 microns and smaller, cyclones are preferred rather than thickeners operated as hydroseparators because the thickeners require extremely large settling areas, water requirements, and capital outlay. Cyclones have high capacity, yield equally good or better classification results, require less water and dispersing agents, and many times less capital outlay than conventional classifiers.

Because of the foregoing reasons, cyclones were selected for classification in these investigations.

Because of the importance of cycloning, in the process developed for talc beneficiation, it is advisable to discuss briefly the characteristics of a cyclone.

Figure 1 is a sketch of a typical cyclone showing the principal parts and the movement of the pulp. The pump, containing the mixed solids which are to be classified by size, is introduced tangentially to the cyclone chamber. The high entrance velocity and centrifugal forces developed form two vortices inside the chamber and conical section. The coarser and heavier particles are

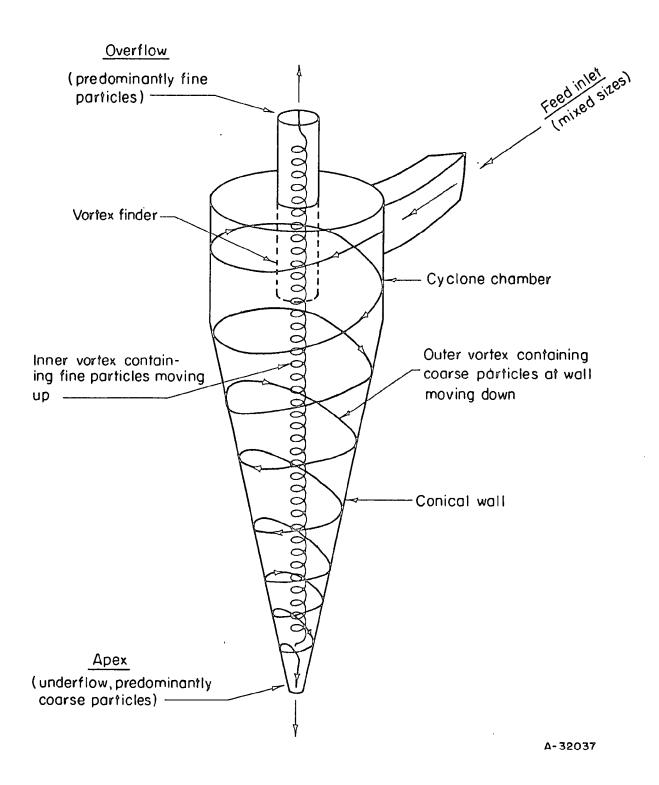


FIGURE 1. TYPICAL CYCLONE, SHOWING PRINCIPAL PARTS AND INTERNAL MOVEMENT OF THE PULP

forced to the wall of the chamber and the downward moving vortex, of fluid and solids, is discharged as underflow at the apex. The inner vortex, containing the fine particles, spirals upward along the vertical axis of the cyclone and is discharged as overflow through the vortex finder.

The cyclone is a very simple device but the hydraulic dynamics can be very complex and are beyond the scope of this report.

The diameter of the cyclone probably has the most influence on the size at which the classification is made. The smaller the particle size at which a separation is required, the smaller should be the diameter of the cyclone. For instance, a 3-inch-diameter cyclone may be satisfactory for a 200-mesh separation but a 1-or 2-inch-diameter cyclone may be more suitable for 10-or 15-micron separations. Other factors which influence size of separation are: per cent of solids in the cyclone feed, cyclone inlet and outlet pressures, rate of feed in gallons per minute, and diameter of cyclone apex and vortex orifices.

For the separations desired, it appeared that a 30-millimeter-diameter (1.181 inch) cyclone would be suitable when the right combination of operating conditions were known.

In order to know the amount of material that must be rejected as fines from the cyclone overflow, a sedimentation test was made. The size distribution of Italian No. 2 talc is given in Table 1.

Table 1 shows that 27.2 per cent of the weight of the Italian No. 2 talc is finer than 9.7 microns, most of which should be removed.

TABLE'1. SIZE DISTRIBUTION OF ITALIAN NO. 2 TALC

Equivalent Spherical Particle Diameter, microns	Weight Per Cent Finer Than Particle Diameter	
31.4	77.2	
13.9	39.8	
9.7	27.2	
6.7	18.9	
4.7	13.5	
3.9	11.1	
2.9	8.3	
2.4	7.0	
1.3	3.5	

There are no commercial classifiers that make a "hair-line" cut-off on size separations. Cyclones probably are as efficient as other devices; but in practice, as the removal of any given size approaches 100 per cent some of the neighboring sizes will also be removed. On the other hand, cyclones can usually be adjusted so that the overflow is nearly 100 per cent finer than a given size, but a significant amount of that same size will be found in the cyclone underflow.

Therefore, the operating conditions for the cyclone, without involved cycloning by stages in closed circuits, require adjustment of the equipment to overflow several per cent more than the theoretical 27.2 per cent. As
mentioned above, this necessitates the loss of some talc particles larger than
10 microns.

A number of experiments were made using a 30-mm-diameter laboratory glass cyclone. The effect of different operating conditions on cyclone performance were investigated. The conditions investigated were:

Effect of diameter of cyclone vortex Effect of per cent solids in the cyclone feed.

Table 2 shows results of three cyclone experiments which give preliminary information for changes in operating conditions that were needed to obtain the desired particle size classification.

TABLE 2. PRELIMINARY CYCLONE TESTS USING A VORTEX FINDER DIAMETER OF 4.1 mm

· · · · · · · · · · · · · · · · · · ·	Distribution, per cent			
	Pulp Volume	Solids Weight	Per Cent Solids in Product	Flow Rate, gpm
Test C-8				
Overflow	68.0	13.4	1.0	1.1
Underflow	32.0	86.6	12.5	$\frac{0.5}{1.6}$
Total Feed	100.0	100.0	4.9	1.6
Test C-9				
Overflow	67.4	18.6	2.7	1.1
Underflow	32.6	81.4	21.5	0.6
Total Feed .	100.0	100.0	9.4	1.7
Test C-10				
Overflow	67.3	21.7	4.7	1.1
Underflow	32.7	78.3	<u>29.6</u>	0.6
Total Feed	100.0	100.0	13.8	1.7
Test Conditions	ŧ			
Cyclone diame		30 mm		
Feed inlet di		6.0 mm		
Vortex finder	diameter	4.1 mm		
Apex diameter		2.9 mm 14.7 psi		
Feed pressure		14.1 har		

Tests C-8, C-9, and C-10 show that the weight of the fine solids rejected in the cyclone overflow reached a maximum of 21.7 per cent when the feed density was 13.7 per cent solids. It was shown previously by sedimentation that at least 27 per cent of the weight must be removed to obtain the desired separation. Therefore, none of the operating conditions were suitable

for near-complete fines rejection. As the per cent solids in the feed increased, the per cent of weight reporting to the overflow increased. The data from the tests indicate that the desired weight directed to the overflow could be obtained by increasing the per cent solids in the feed. Ordinarily this would accomplish the objective. However, when particle size classifications in the 10-micron size range are being attempted, it is advisable to operate with the per cent feed solids as low as is practicable. As the per cent of feed solids is increased the sharpness of separation decreases rapidly. The tendency is for oversize particles to be crowded into the overflow and undersize particles to be forced into the underflow. Therefore, it is better to change some other conditions, if possible. Increasing the vortex finder diameter in the overflow will accomplish the same purpose and usually improve the properties of the underflow.

In the experiments shown in Table 2, the cyclone vortex finder diameter was 4.1 mm. It appeared that a larger diameter vortex finder would yield the desired results, if all other conditions were held constant. A vortex diameter of 6.1 mm was installed in the cyclone and Tests C-11, C-12, and C-13 were made at different feed densities. The results are given in Table 3.

The data in Table 3 show that the increased vortex finder diameter was a step in the right direction. At 4.9 per cent solids in the feed (Test C-11) the cyclone overflow contained 23.0 per cent of the feed weight compared with only 13.4 per cent when the 4.1 mm vortex finder was used. The overflow of Test C-12 contained 30.6 per cent of the weight of the feed, which is about the proper weight. Examination of this product with the microscope showed that although most of the minus 10-micron talc had been removed, a significant amount still remained. A larger diameter vortex finder appeared advisable to

obtain a cyclone underflow product containing fewer particles in the minus 10-micron sizes.

TABLE 3. CYCLONE TESTS USING A VORTEX FINDER DIAMETER OF 6.1 mm

	Distri per	bution, cent		
	Pulp	Solids	Per Cent Solids	Flow Rate,
	Volume	Weight	in Product	gpm
Test C-11				
Overflow	88.9	23.0	1.3	1.7
Underflow	11.1	77.0	28.3	0.2
Total Feed	100.0	100.0	4.9	1.9
Test C-12 Overflow Underflow Total Feed	86.5	30.6	3.5	1.7
	13.5	69.4	38.9	0.3
	100.0	100.0	9.4	2.0
Test C-13 Overflow Underflow Total Feed	84.4	39.5	6.7	1.7
	15.6	60.5	42.7	0.3
	100.0	100.0	13.7	2.0
Test Conditions Cyclone diame Feed inlet di Vortex finder Apex diameter Feed pressure	ter ameter diameter	30 mm 6.0 mm 6.1 mm 2.9 mm 14.7 psi		`

Tests C-14, C-15, and C-16 were made using a cyclone with a vortex finder diameter of 8.4 mm. Results of these experiments are in Table 4.

Test C-14 shows that the overflow product contains 36.5 per cent of the weight of the cyclone feed. Overflow products obtained from Test C-15 and C-16 contained too much weight and, therefore, must contain an excessive amount of particles larger than 10 microns.

TABLE 4. CYCLONE TESTS USING A VORTEX DIAMETER OF 8.4 mm

		bution, cent		
	Pulp Volume	Solids Weight	Per Cent Solids in Product	Flow Rate, gpm
Test C-14				
Overflow Underflow Total Feed	93.2 6.8 100.0	32.6 67.4 100.0	2.0 35.1 4.8	2.2 0.2 2.4
Test C-15				
Overflow	91.5	47.2	4.9	2.1
Underflow	8.5	52.8	44.4	$\frac{0.2}{2.3}$
Total Feed	100.0	100.0	9.3	2.3
Test C-16				
Overflow	90.0	57.8	9.1	2.1
Underflo₩	10.0	42.2	45.0	0.2
Total Feed	100.0	100.0	13.7	2.3
Test Conditions	8			•
Cyclone diame		30 mm		
Feed inlet di		6.0 mm		
Vortex finder	· ·	8.4 mm		
Apex diameter		2.9 mm 14.7 psi		•
Feed pressure		Ta°, har		

The overflow and underflow products of Test C-14 were examined microscopically and found to be relatively free of misplaced particles.

A sedimentation fractionation of the products of Test C-14 was made and the results are given in Table 5.

TABLE 5. SEDIMENTATION AT 10-MICRON PARTICLE SIZE ON PRODUCTS OF CYCLONE TEST C-14

Particle Size in Product	Weight Per Cent in Product	Weight Per Cent of Cyclone Feed
Cyclone Overflow		
+10 Micron	29.3	9.6
-10 Micron	70.7	23.0
Total	100.0	32.6
Cyclone Underflow		•
+10 Micron	93.4	63.0
-10 Micron	6.6	4.4
Total	100.0	67.4

The data given in Table 5 show that the cyclone underflow contained 67.4 per cent of the weight of the cyclone feed and that the underflow had only 6.6 per cent of particles finer than 10 microns. The original Italian No. 2 talc sample, which is the same as the cyclone feed, contained 27.2 per cent of the weight in particles 10 microns and finer. From a classification standpoint, the cyclone underflow product is nearly perfect. The cyclone overflow had 29.3 per cent of the weight of the particles larger than 10 microns, or 9.6 per cent of all the plus 10-micron particles in the original feed. It also contained 83.9 per cent of the minus 10-micron particles in the original feed.

The cyclone products were evaluated with the microscope to determine the mineral composition. These results are given in Table 6.

TABLE 6. MINERAL COMPOSITION OF TEST C-14 CYCLONE PRODUCTS

			Mineral C	Count, per ce	nt	1	Mineral Dist	ribution, per	cent
Cyclone Product	Weight Per Cent	Platy	Nonplaty	Dolomite	Tremolite	Platy	Nonplaty	Dolomite	Tremolite
Overflow	32.6	79	15	5	1	29	79	58	33
Underflow	67.4	95	2	2	1	71	21	42	67
Feed	100.0	90	6	3	1	100	100	100	100

It is shown in Table 6 that the cyclone overflow was composed of 79 per cent platelets. In Table 5, it is shown that 29.3 per cent of this product is larger than 10 microns. Therefore, the total loss of useful plates represents about $(32.6 \times .79 \times .293 = 8.46)$ 8.5 per cent. Said in another way, if all the plus 10-micron platelets had been recovered, the cyclone underflow would represent $67.4 \div 8.5 = 75.9$ per cent of the feed weight.

Another important result shown in Table 6 is that the cyclone underflow product contained 95 per cent platy talc compared with 90 per cent in the feed. The mineral distribution shows that cycloning rejected 79 per cent of all the nonplaty talc.

In summation, the cyclone underflow was 95 per cent platy talc and contained only 6.6 per cent of particles finer than 10 microns. This should be an ideal feed for flotation.

Because of the impending pilot plant, it was necessary to discuss with the cyclone manufacturers (Dorr-Oliver Inc.) what equipment was available and if the equipment would be suitable for particle size classification in the minus 10-micron size range. Cyclones were available in the 30-mm-diameter size, but the manufacturer was not able to provide the vortex finder

and apex with diameters of the same dimensions as used in the C-14 test. It was believed, however, that the equipment available would give classification results in the same order and with some advantages. The cyclones available had a vortex finder diameter of 11 mm and an apex diameter of 5.5 mm. Such dimensions would provide increased cyclone capacity and lessen the possibility of oversize material plugging the apex outlet.

The laboratory glass cyclone was fitted with outlets of the same dimensions as Dorr-Oliver could provide and experiments were made for comparative purposes. These results are given in Table 7.

Table 7 shows that the size distribution of the underflow products was essentially the same when the apex diameter was increased from 2.9 to 5.5 mm. Both underflow products contained about 6.5 per cent of minus 10-micron particles. Increasing the diameter of the vortex finder resulted in the loss of more of the plus 10-micron particles in the overflow as the total amount of plus 10-micron increased from 9.6 to 12.1 per cent. In order to decrease this loss, the feed pressure was raised from 14.7 psig to 23 psig, as shown in Test C-127. The results show that the increased pressure lowered the amount of plus 10-micron material in the overflow from 12.1 to 7.7 per cent. However, the fines reporting to the underflow were increased from 6.5 to 8.1 per cent.

Flotation experiments were made on cyclone underflow products from each of the different test conditions reported in Table 7. The results of these flotation tests are discussed in the following flotation section.

The over-all results of the cyclone experiments show that it was possible to treat the original Italian No. 2 talc in a cyclone and obtain a product containing only about 6.5 per cent of minus 10-micron particles. About 10 to 12 per cent of the plus 10-micron material is lost to the overflow. Increasing the cyclone pressure recovered some of the plus 10-micron talc but was accompanied by more of the objectionable minus 10-micron talc reporting to the underflow.

TABLE 7. COMPARISON OF CYCLONE PRODUCTS SHOWING EFFECT OBTAINED WITH DIFFERENT DIAMETER OUTLETS AND INCREASED FEED PRESSURE

Particle Size in	Test C-14		Test C=135	9	Test C-127	73
Cyclone Product	Weight Per Cent in Product	Weight Per Cent of Feed	Weight Per Cent in Product	Weight Per Cent of Feed	Weight Per Cent in Product	Weight Per Cent of Feed
Overflow +10 Micron -10 Micron Total	on 29.3 on 70.7 100.0	9.6 23.0 32.6	34°3 65°7 100°0	12.1 23.2 35.3	26.1 73.9 100.0	7.7 21.7 29.4
Underflow +10 Micron =10 Micron Total	on 93.4 on 6.6 100.0	63.0 4.4 67.4	93.5 6.5 100.0	60.5 4.2 64.7	91.9 8.1 100.0	64.9 5.7 70.6
Test Conditions: Cyclone diamet Cyclone inlet	st Conditions: Cyclone diameter, mm Cyclone inlet diameter, mm	30		30		30
Cyclone diamete	Cyclone vortex finder diameter, mm. —	& 4.		77		11
Cyclone a Feed pres	Cyclone apex diameter, mm Feed pressure, psig	2°		5.5 7.4		ဂို ကို
Feed rate, gpm	md6 °e	2,4		2°1		ئ ئ

Flotation

At the close of the experimental program covered in the Progress Report of May 23, 1958, a simple method of processing the talc had been developed that yielded a flotation product containing 98 per cent or more of platy talc.

This method, first reported in Test 39^(a), consisted of briefly conditioning the Italian No. 2 talc with 0.9 pound of hydrochloric acid per ton of feed and making a Float-1 product containing 99 per cent platy talc. A small amount of frother (0.11 pound per ton of feed) was then added and a Float-2 product was made containing 96 per cent platy talc. The two products combined contained 71.1 per cent of the original feed weight and 98 per cent platy talc. The pH of the pulp during Float-1 was 7.4 and the feed pulp was about 10 per cent solids. A total flotation time of 15 minutes, plus 7 minutes for wetting and conditioning, was used. The unmanageable froth, prevalent in all previous experiments, was not quite as noticeable.

Before Test 39 was made, all froths were overly voluminous and 96 per cent platy talc was the best that had been obtained. The flotation methods had consisted of the addition of various amounts of Dextrine or Guartec as depressants for nonplaty and/or fine talc. Both of these reagents are subject to bacteriological decay, forming objectionable mould and fungus, and if not completely removed sometime after the flotation step, they might create an unpleasant odor and appearance to the finished talc. Hence, another type of reagent seemed necessary.

⁽a) See First Progress Report, Appendix A.

Hydrochloric acid was selected because it offered the following possible advantages:

- (1) It would permit pH control during flotation.
- (2) It would, to some extent, solubilize and loosen carbonate particles which may be coating talc particles.
- (3) HCl forms no insoluble salts which could enter the froth product as by-product contaminants.
- (4) HCl is inorganic and not subject to decay.
- (5) HCl does not produce an objectionable odor.
- (6) HCl does not contribute objectionable color.
- (7) Salts of the reacting acid are easily washed out in a filtration step.
- (8) HCl should aid in solubilizing and wetting the dolomite particles to promote their exclusion from the froth.

The Float-1 product from Test 39, although highly improved mineralogically, contained too much fine talc to be fully acceptable. Tests 43 to
46, inclusive, were made, all in the same manner, to provide enough weight
of products for a more thorough examination, particularly of particle size
distribution. Flotation results are given in Table 8 with the test conditions.

The data in Table 8 show essentially the same results as in Test 39 except that the weight recovery in Float-1 plus Float-2 is 74.5 per cent as compared with 71.1 in Test 39.

TABLE 8. FLOTATION RESULTS OF TESTS 43-46

	Weight		Mineral Co	ount, per cent	
Product	Per Cent	Platy	Nonplaty	Dolomite	Tremolite
Float-l	60.2	98	1	0.7	<1
Float-2	14.3	` 96	2	1.4	1
Underflow	25.5	67	21	6.0	<u>6</u>
Total	100.0	90	- 6	2	$\overline{2}$
Feed	100.0	90	6	3	1

Flotation Test Conditions

		ents Added, ton of feed	Time,	Solids		
Operation	HC1	Dowfroth 200	min	Per Cent	рН	Water
Wetting	0	0	5	20		•
Conditioner	0.09	0	2	10.3	7.6	Distilled
Float-l	0	0	10	10.3	7.8	Distilled
Float-2	0	0.13	5		7.6	Distilled

Note:	Float-1	
	Bulk Density	23.7 lb/ft ³
	рН	8.7
•	+200 Mesh	2 per cent

All the products from Tests 43 to 46, inclusive, were treated by sedimentation to determine the particle size distribution. These results are given in Table 9.

Table 9 shows that the flotation feed and the Float-1 product are similar to particle size distribution down to about 6.7 microns. Below this size more of the fine particles show up in greater percentages in the underflow product. In the column titled Distribution of Sizes, it is seen that 33.6 per cent of all the minus 6.7 plus 4.7-micron particles are in the underflow, 45.8 per cent of all the minus 4.7 plus 3.9-micron particles are in the underflow, and so on. This high rejection of the fine particles to the underflow and out of the froth undoubtedly accounts for the less voluminous froth and hence the higher grade product.

SIZE DISTRIBUTION OF FLOTATION TEST PRODUCTS OBTAINED BY FLOTATION WITHOUT PRIOR CYCLONING FOR REMOVAL OF FINES (-10 MICRON PARTICLES) ô TABLE

	Flota weigh	Flotation Feed, weight per cent	F] weigh	Float-l, ght per cent	F1 weigh	Float-2, weight per cent	Und weigh	Underflow, weight per cent	Distri	bution of	Sizes
Particle Size,	Ę		គ		Ę		In		· · ·	per cent	()
microns	Size	Cumulative	Size	Cumulative	Size	Cumulative	Size	Cumulative	Float-1	Float-2	Underflow
+31.4	22.8	22.8	24.8	24.8	800	20°0	14,3	14,3	9°69	13,3	17,1
31,4+13,9	37,3	60°1	37.5	62,3	33°5	53.5	28°4	42.7	65,3	13.8	20°9
-13°9+ 9°7	12,7	72.8	13,2	75.5	15.7	69.2	13,5	56.2	57.8	16.4	8° 8°
- 9.7 6.7	8°3	81,1	10°1	85.6	9°6	78°8	9,4	65.6	61°7	13.9	24.4
- 6.7+ 4.7	5,4	86.5	4°2	90°3	7,3	86.1	7.7	73,3	48°6	17.8	33°6
- 4°7+ 3°9	2,4	88.9	1,1	91,04	2°5	88°3	3,2	76.5	36.9	17,3	45.8
- 3°4 2°9	2°8	91.7	2°2	93°9	3,1	91°4	4°7	81.2	48.9	13.7	37.4
- 2°\$ 2°4	1,3	93.0	1.6	95.5	1,3	92.7	2,1	83.3	56.8	11.2	32.0
- 2.4+ 1.3	ລ ໝູ	96.5	1.6	97.1	ი გ	%°2	7,1	90°4	29°4	15.3	55,3
- 1,3	3°2	100.0	2°6	100.0	ა გ	100.0	9°6	100.0	36.9	11.4	51.7
Total	100°0		100°0		100.0		100°0				
Per Cent Weight	000		60.2		4 کا		بر بر				

(See also Table 8.) These data obtained from Tests 43-46 using HCl and Dowfroth 200 as the only reagents. Note:

Although this was an encouraging development, the Float-1 product was only 75.5 per cent coarser than 9.7 microns, which also means that it contained 24.5 per cent of particles finer than 9.7 microns, and this is much too fine, as was suspected.

At this point, it was known that it was possible to obtain an improved talc by a relatively simple process. A pilot plant could be designed to process the ore but complete data were lacking that would give the information for obtaining optimum results consistently.

More information was required on what improvements were possible by modifying the process and also what unfavorable results might appear if the modifications exceeded certain limits. The following subjects were investigated to obtain the data for the most efficient plant design and operation:

- (1) Results obtained when fines were removed after flotation
- (2) Results obtained when fines were removed before flotation
- (3) Effect of the amount of HCl added in flotation
- (4) Comparison of HCl with H₂SO₄ as flotation reagents
- (5) Effect of different types of water on quality and recovery of finished product
- (6) Effect of pulp density on quality and recovery of finished product
- (7) Effect of amount and type of frother added.

Results Obtained When Fines Were Removed After Flotation

Although a method for increasing the platy talc content was known, the finished float product still contained 24.5 per cent of fine talc. The logical method of removing the fines was by hydraulic classification or

cycloning. Flotation Tests 52-55(a) were made to prepare enough froth product for cycloning.

Float-1 and 2 of Tests 52-55 were combined and given two stages of cyclone treatment. The resulting product was examined microscopically, and it was obvious that the minus 10-micron size particles had not been sufficiently removed.

The reason for incomplete removal of the fines is not certain, and although it is probable that a prolonged investigation would lead to a satisfactory method of classification this approach was discontinued. A more direct approach was decided upon which consisted of cycloning to remove the fines before flotation.

Results Obtained When Fines Were Removed Before Flotation

A sample of Italian No. 2 talc was cycloned according to Test C-12 procedure (Table 3) and the cyclone underflow was used as the feed for flotation Test 58.

The Float-1 product contained 98 per cent platy talc and 51.0 per cent of the weight of the flotation feed.

Over-all results of cycloning and flotation are given in Table 10, including the flotation conditions.

Table 10 shows that 51.0 per cent of the weight of the flotation feed was recovered in a product that was 98 per cent platy talc. However, it was only 35.4 per cent of the weight of the original ore (cyclone feed).

Examination of the Float-1 product subjectively by hand, and under the microscope, showed that, although improved in quality, it still contained

⁽a) See First Progress Report, Appendix A.

RESULTS OBTAINED WHEN FINES ARE REMOVED BEFORE FLOTATION TABLE 10.

	Weight Der Cent	Weight Per Cent		Mineral Count, per cent	unt, per	cent	
	in Test	Ore	Platy		Dolomite	e Tremolite	Remarks
Cyclone*							
Overflow Underflow	30.6 69.4	30.6 69.4	Not d 92	Not determined 92	4	-	Largely fine, acicular particles
Total Feed	100.0	100.0	8	9	ო	. ન	
Flotation Test 58	. ((,	,	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Float-1 Float-2	2 2 8 8	35.4 16.5	Sot S	ys Z Not determined	į,	J	100 macii atiias to-interoii care
Underflow	25.2	17.5	Not d	determined			
lotal Feed	7.001	4.40	8	ო	4	-	
			딦	Flotation Test Conditions	t Condit	ions	
	Reagents Added, lb/ton of feed	1	Time,	Solids			
Operation HC1		Dowfroth 200 n	min	per cent	핆	Water	Remarks
Conditioner 1.13 Float-1 0 Float-2 0		0 0 0.13	200	11.2	7.8 8.1 8.1	Distilled Distilled Distilled	Float-1 froth voluminous but easily broken down

C-12, Table 3.

an excess of dust-forming particles. However, it was much improved over any product made up to that time. A sample of the Float-1 product was given to Dr. W. H. Lycan in May, 1958, at a conference with Messers. R. D. Macdonald and O. F. Tangel of Battelle. It was agreed that the Float-1 product was superior in quality to that being marketed by Johnson and Johnson at that time.

Further improvement in over-all cyclone and flotation results, by a more efficient rejection of fines, was necessary. This was obtained by revising the cyclone procedure to conform to the method of cycloning described as C-14 procedure, which is reported in Table 7, and floating the cyclone underflow. Tests 63 to 66, inclusive, were made in this manner and the complete results are given in Table 11. Examination of the flotation underflow showed that there was valuable talc which had not been recovered. This product was treated by a scavenger cyclone and the underflow was given a scavenger float. In other words, the original flotation underflow was reprocessed as would be done in a continuous operation.

Table 11 gives the results of the complete processing and represents what could reasonably be expected from a pilot-plant operation. Test conditions are given in Table 11a.

In the summary given in Table 11, it is seen that by combining the Float-1 and Float-2 with the scavenger float product, an improved talc which is 97 per cent platy was obtained in 59.6 per cent of the original weight of the ore.

The pilot plant now being erected was designed principally from data developed from these combinations of experiments. The final flowsheet of the pilot plant incorporates optional circuits which may permit a slight improvement in quality of finished product by retreating the Float-2 and scavenger float products.

RESULTS OBTAINED FROM TESTS 63-66 USING COMBINED CYCLONING AND FLOTATION INCLUDING A SCAVENGER TREATMENT FOR ADDITIONAL RECOVERY TABLE 11.

	Distribution of per cent	ion of Weight, r cent		Mineral Co	Mineral Count, per cent	ent	
Product	In Process	Of Original Ore	Platy	Nonplaty	Dolomite	Tremolite	Remarks
Original Ore	100.0	100.0	06	•	က	н	Contains 27.2 per cent of minus 10-micron particles
Cyclone Overflow(a) Underflow Total	32.6 67.4 100.0	32.6 67.4 100.0	9 25 2	15	ଦ ଠୀଠ	러 레크	Cyclone Test C-14 Potential by-product Contains 6.6 per cent of minus 10-micron particles
Flotation Float-1 Float-2 Underflow(a) Total	54.9 24.6 20.5 100.0	37.0 16.6 13.8 67.4	98 97 95	<u> </u>	0.5(b) 0.9(b) 8.3(b) 2.2	Q Q 011-1	Flotation Tests 63-66 Float-1 contains 5 per cent of minus 10- micron particles
Scavenger Cyclone Overflow(a) Underflow Total	17.6 82.4 100.0	2.4 11.4 13.8	74 85	રી હ્ય 4	12 0 00 60	୬ ମାମ	Cyclone Test C-17 Potential by-product
Scavenger Flotation Float Underflow(a) Total	53.0 47.0 100.0	6.0	8 1 18	თ 4I w	\ \ \ \ \	۵uu	Flotation Test 77C17 Potential by-product
Summary Float Products Float-1 Float-2 Scavenger Float Composite	54.9 24.6 53.0	37.0 16.6 6.0 59.6	98 28 28 28	୍ ଶ ଜାଣ୍ଡ	0.5(b) 0.9(b)	요 요심 요	Float-1 bulk density 29.3 1b/ft ³ and 1.3 per cent coarser than 200 mesh

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⁽a) Mineral count is calculated from material balance.

Dolomite content was determined by chemical analysis for CO2 and converting to MgCa(CO3)2. (P)

TEST CONDITIONS USED TO OBTAIN RESULTS GIVEN IN TABLE 11 TABLE 11a.

Cycloning	Test C-14	Test Cel7
Cyclone Diameter, mm Cyclone Feed Inlet, mm Cyclone Vortex Finder, mm Cyclone Apex, mm Feed, per cent solids Feed Pressure, psi Feed, Flow Rate, 9pm	30 8 8 8,9 4,0 6,0 8,7	30 8°4 2°9 1,0 2°4
Flotation	Tests 63-66	Test 77C17
Feed, per cent solids pH during Float=1 pH during Float=2 HC1 Added for Float=1, lb/ton of flotation feed	8.3 7.6 7.8 1.75	8.1 8.4 Not determined 0
Dowfroth 200 Added, 1b/ton of flotation feed Float-1 Float-2	0.07 0.28	0.17 Float-2 not made
Flotation Time, minutes Float=1 Float=2	വവ	5 Float≃2 not made

Effect of the Amount of HCl Added in Flotation

Tests 58, 59, 60, 78, and 79 in Table 12 are presented to compare the results obtained by changing the amount of hydrochloric acid used in the tests.

Data given in Table 12 show that, with HCl additions up to 2.3 pounds per ton of feed, the Float-1 product contains not less than 97 or 98 per cent platy talc. When 6.82 pounds of HCl was added, the Float-1 product dropped to 95 per cent platy talc and the weight per cent recovered was only 46.6 per cent (Test 60).

Tests 78 and 79 show that the Float-1 products contained about 97 to 98 per cent platy talc with a weight recovery of about 59 to 60 per cent. Hydrochloric acid up to 2.3 pounds per ton of feed would appear to be justified only if it were effective in inhibiting the inclusion of fine talc in the froth and aiding in froth control.

The quantity of acid used is less significant than the pH of the flotation feed. The flotation process should be controlled by using that quantity of acid necessary to obtain the pH which gives good results. According to the experiments shown in Table 12, a pH range of 6.9 to 7.8 will give a Float-1 product containing 97 to 98 per cent platy talc.

In milling practice, the mill water and the ore may vary in chemical properties so that if a fixed amount of acid is used there will be no control over the flotation feed pH.

Comparison of HCl with H₂SO₄ as Flotation Reagents

Comparative experiments were made to determine whether sulfuric acid, which is less expensive, could be used in place of hydrochloric acid. The results are given in Table 13.

TABLE 12. EFFECT OF HC1 ON FLOTATION RESULTS

	Q Q %	5 & 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
ø	•	₽ "
		2 1
0		
O _.	، 1	1 101
0	7,	1,2

The feed for each test above was the cyclone underflow from a C-12 or C-14 type treatment. Notes

TABLE 13. COMPARISON OF HCI WITH H2SO4 AS A FLOTATION REAGENT

	Weight	:	Mineral Co	al Count, per cent	int	Rea lb/tor	agents μ γ of flo	Reagents Added, lb/ton of flotation feed	Pulo.	Feed.
	Per Cent Platy Nonpla	Platy	Nonplaty	Dolomite	Tremolite	H2S04	HC1	10	품	% solids
Test 61										
Float-1		88	98 1	9•0	♥.	0	1.75	0.07	7.2	8°3
Float-2		26	7	1.1	₽	0	0	0.20	7.6	
Underflow Total	21.8	Not e	valuated		·	1		ı		
Test 87										
Float-1		%	7	-4	₽	2.5	0	0.07	7.2	8•0
Float-2		Not e	evaluated			0	0	0.20	7.8	
Underflow Total	22.1 100.0	Not e	evaluated			•	•	1		

Note: Flotation feed was the cyclone underflow.

Tests 61 and 87, made under almost identical conditions, show that H_2SO_4 is not a good substitute for HCl. When using H_2SO_4 the Float-1 product contained 96 per cent platy talc in 45.2 per cent of the weight compared with Test 61 using HCl which yielded 98 per cent platy talc in 57.4 per cent of the weight. In both of these tests Dowfroth 200 was used as the frothing agent.

Effect of Different Types of Water on Quality And Recovery of Finished Product

Most laboratory flotation tests are made with either distilled or soft water. The reason for this is that certain anions and cations generally present in tap water will activate or depress certain minerals. The number of variables involved during an experimental program can be minimized by using distilled or soft water. Because talc is such a sensitive floater, distilled water, containing virtually no stray ions, was used in all preceding investigations.

From a commercial standpoint, distilled water is expensive and deionized or demineralized water is usually a satisfactory alternative. However, it is more expensive than soft water which in turn is more expensive than tap water.

Because the intended pilot plant and any commercial operation would use a substantial amount of water, it was necessary to determine what problem the different types of water might contribute to the process.

A comparison of the results obtained from the use of tap, deionized, soft, and distilled waters is given in Table 14.

Table 14 shows that soft water gave only 42.7 per cent weight recovery and 93 to 95 per cent platy talc content in the float product. Ordinarily soft water, as a mineral slurrying agent, is beneficial in nonmetallic

COMPARISON OF FLOTATION RESULTS OBTAINED FROM THE USE OF TAP, DEIONIZED, SOFT, AND DISTILLED WATER TABLE 14,

					Mineral	Mineral Count, per cent	ent		Reagen 1b/t flotat	Reagents Added, 1b/ton of flotation feed	
Test No.	Product	Water Used	Weight Per Cent	Platy	Non- platy	Non- Platy platy Dolomite(a) Tremolite	Tremolite	Pulp, pH	HC1	Dowfroth 200	Remarks
100	Float-1 Float-1	Tap Tap	60.9	97	73.1	.6°8° 0°8°	4 4	7.3	1.73 0	0.07	Dull luster Dull luster
115 116	Float-1 Float-1	Deionized Deionized	56.3 60.6	97	90	0 0 0 0	₫ ~	6.3	1.57	0.06	Good luster Good luster
119	Float-1 Float-1	Soft Soft	42.7 42.6	8 8	4 ω	0.6	7 7	7.2	1.63	0.06	Medium luster Medium luster
102	Float-1 Float-1	Distilled Distilled	54.7	97	77	9.0	44	6.8	1.74	0.07	Good luster Good luster

Per cent dolomite is calculated from chemical analysis of ${\rm CO}_{2^{\bullet}}$ (a)

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All tests were made with all conditions, except the water, as nearly the same as possible. Note:

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flotation processes. Although reasonable guesses can be made for the cause of this effect, not enough tests were made to establish conclusive evidence. The Float-1 products obtained when tap, deionized, or distilled waters were used were mineralogically the same, about 97 to 98 per cent platy talc. The Float-1 products obtained when tap water was used had a dull luster. It was decided on this basis that deionized water, being cheaper than distilled water would be the most practical water to use.

The deionized water used in the tests had a resistance of about 140,000 ohms per cubic centimeter of water. Columbus tap water had a total hardness of 92 ppm and contained 261 ppm of total solids with a pH of 10.1 and a resistance of about 5000 ohms per cubic centimeter. The zeolite softened water used in the experiments had a resistance of 3750 ohms per cubic centimeter.

Effect of Feed Pulp Density on Quality and Recovery of Finished Product

The effect of flotation pulp density on the froth product is important to the process. The higher the pulp density that can be used, the higher the capacity of the equipment, or the higher the rate of production.

Ordinarily high feed pulp densities tend to yield high weight recovereis but this advantage is usually offset by an intermediate quality froth product.

When considering ores in general, an average pulp density for flotation feed is about 25 to 30 per cent solids. The amount or weight of mineral floated is usually less than 25 per cent of the feed weight and the specific surface area is low, as compared with platy minerals such as talc. These conditions do not exist with talc of the Italian No. 2 type and, therefore, some modifications in normal procedure are required.

In the first place, the potential weight of mineral floated may be as high as 90 per cent of the feed weight because the platy talc content is 90 per cent in the feed. Because of the platelet type of mineral structure, as opposed to the blocky type, the specific surface of the material is high which means that there are many more particles per unit of weight than with the blocky type of mineral. Finally, when a mineral as soft as talc is crushed and ground, a significant proportion of the weight is unavoidably ground to a particle size finer than 10 or 15 microns. Particles this fine are always troublesome in flotation circuits because they are large reagent consumers, and when they enter the froth it becomes voluminous, highly stable, and almost invariably results in the entrapment of unwanted particles which ordinarily would not be floated.

Observations made during many of the early flotation experiments indicated that pulp densities in excess of about 10 to 13 per cent solids created excessively voluminous froths, when testing materials of a high platy content such as Italian No. 2 talc.

If a substantial amount of the minus 10-micron particles are removed, as by a C-14 type cyclone method, before flotation, the froth is not unmanage-able.

The results of experiments made at different feed densities are given in Table 15. The feed for each experiment was a cyclone underflow containing about 8 per cent of minus 10-micron particles.

Table 15 shows that 97 to 98 per cent platy talc was made from feed pulps ranging between 10.6 and 8.0 per cent solids.

It was observed during the investigation that, as the per cent of solids in the feed was decreased, the froth became less persistent. Table 15 also shows that, as the percentage of solids was dropped from 10.6 to 8.0, the dolomite trapped in the froth dropped from 1.1 down to 0.3 per cent.

FLOTATION RESULTS OBTAINED AT DIFFERENT PER CENT SOLIDS OF FEED TABLE 15°

			H D D D					1b/tc	lb/ton of flotation feed	ion feed
		We tah €	Solids		Wineral Co	Wineral Count, per cent	nt		Dowfroth	Dowfroth
Test	Product	Per Cent	Per Cent	Platy	Nonplaty	Nonplaty Dolomite	Tremolite	HCJ	200	220
78	Floatel	59.3	10.6	86	~	1,1(a)	0	2,3	0°07	
62	Floatel	60.4	10.0	26	8	1,2(a)	0	0	60°0	-
115	Floatel	56.3	8°6	26	å	0.5(a)	q	1.57	0°06	
63~76	Floatel	54.9	ဗ္	88	-	0°5(a)	Q	1,75	0°07	
134	Floatel	59.0	0°8	86	7	0°3(a)	ø	1.77		0°01

Dolomite assays calculated from ${\rm CO}_2$ analyses. (B) At 10.6 per cent feed solids the weight recovery was 59.3 per cent and dropped to 54.9 per cent when the feed solids was 8.3 per cent.

Test 134 gave a weight recovery of 59.0 per cent but a stronger frother, Dowfroth 250, was used.

Effect of Amount and Type of Frother Added

Two types of water-soluble frothers were investigated. The original choice of frother for the investigations was Dowfroth 200 made by the Dow Chemical Company, Midland, Michigan. Chemically, it is a polypropylene glycol methyl ether having the general formula CH_3 - $(O-C_3H_6)_X$ -OH with an average molecular weight of 200. It is 100 per cent water soluble.

The amount of frother used regulates, to a large extent, the weight recovery. An excess of frother will promote voluminous froths resulting in a loss of selectivity in addition to creating material-handling problems.

Experiment 58, using hydrochloric acid and no frother, shows that a 98 per cent platy talc could be produced. Experiments were made with the addition of frother up to about 0.10 pound per ton of feed before the froth product began to become mineralogically degraded. Therefore, a test procedure was established that limited the amount of frother added to the Float-1 step at about 0.08 pound per ton of feed. Table 16 shows some comparative results obtained in this range of operation.

A stronger frother, Dowfroth 250, having the same general formula as Dowfroth 200 but with a molecular weight of 250, was also investigated, but not extensively. Results of these tests for comparative purposes are included in Table 16.

TABLE 16. FLOTATION RESULTS OBTAINED USING DIFFERENT AMOUNTS OF FROTHER AND ALSO A STRONGER FROTHER

				Reagents Added, lb/ton of flotation feed	$ \mathbf{ded}_{\mathfrak{d}} $				
		Motoh		Dowfroth	Dowfroth		Mineral Co	Mineral Count, per cent	
Test	Product	Per Cent	HCI	200	250	Platy	Nonplaty	Dolomite	Tremolite
				(d	8	۶	7	C
58	Floatel	51.0	1,13	5	>	8	K		3 (
3~76	Floatel	54.9	1.75	0°07	0	8	~	0°2(a)	₽
110	Floatel	61.6	0	0°08	0	26	8	⊄	₽
								(2)	•
138	Floatel	52.2	2,02	0	න හ	26	0	0.4(4)	~
133	Floatel	53,3	1,59	0	90°0	88	~	0°4{a}	Q
134	Floate1	59.0	1,277	0	0°0	86	~	0°3(a)	℧

Per cent dolomite is calculated from chemical analysis of ${
m CO}_2\circ$

(a)

Table 16 shows that as the amount of frother is increased, the percent of weight recovered increases. When no frother was used the weight recovery was 51.0 per cent and increased to 61.6 per cent when 0.08 pound of Dowfroth 200 was used per ton of feed.

When 0.03 pound of Dowfroth 250 was used per ton the weight recovered was 52.2 per cent. This was increased to 59.0 per cent by using 0.07
pound per ton of feed.

A good comparison of the relative strength of the two frothers is noted by comparing Tests 63-76 with Test 134. The results show that Dowfroth 250 floated 4.1 per cent more talc than Dowfroth 200 when 0.07 pound per ton was used.

All of the flotation experiments made on Italian No. 2 talc are not discussed in the text of this report. A complete tabulation of the experiments made, showing the pertinent data, is presented in the Appendix.

Drying of Flotation Froth Products

All froth products from the flotation experiments were filtered and washed, and dried in a gas-fired oven at about 350 F. However, in a commercial drying operation, such as spray drying, the temperature might be up to about 1000 F for instantaneous periods in the inlet zone of the drier.

Samples of flotation froths were obtained and treated at various temperatures to find the maximum temperature that could be used without damaging the desirable surface properties and appearance of talc. The results are shown in Table 17.

TABLE 17. OBSERVATIONS ON THE CHANGE OF PHYSICAL PROPERTIES OF TALC AT ELEVATED TEMPERATURES

Temperature, F	Remarks
350	No change in physical appearance
650	Ditto
725	· 🛱
· 975	99
1100	00
1200	Surfaces become tinted
1300	Surfaces definitely tinted
1400	Surfaces definitely tinted
1550	Surfaces creamy color, gritty, beginning to show crystallographic change

From the data in Table 17, it was apparent that about 1100 F was the highest, safe, drying temperature. Temperatures in excess of 1100 F began to produce discoloration and perhaps crystallographic changes. At 1550 F, the talc particles began to take on the appearance of tremolite.

These data indicate that it would be safe to operate a spray drier at a maximum operating temperature of 1100 F without damage to the product, but 1000 F would probably be a safer limiting temperature.

Drying by vacuum and infra-red were considered. Vacuum drying has one advantage in that temperatures only slightly above room temperature can be used. This would minimize the chances of particle deterioration because of temperature. The vacuum-drying process is not continuous and requires considerable capital outlay.

Infra-red heating using electric or gas-fired light wave generators is another possible method of drying the talc product. Because no commercial application of this method for drying of talc or similar materials was known, it was decided not to undertake a unit-process development at this point.

Drying of powders in rotary kilns is widely practiced but it too has some shortcomings. Auxiliary dust collecting equipment is required, the powder is easily contaminated, and localized overheating in the kiln can ruin the product.

A large sample of Italian No. 2 talc was treated by sedimentation to obtain a split at 10-micron particle size for spray drying tests at Bowen Engineering, Incorporated, North Branch, New Jersey. The minus 10-micron portion was prepared to simulate the cyclone overflow product and the plus 10-micron portion was prepared to simulate the flotation froth product. After separating at the proper size, the density of the slurry was adjusted to that anticipated from the pilot-plant thickeners and filters.

The experiments were made in a laboratory spray drier and showed that completely dry products could be obtained on a continuous basis.

Test results showed that the rate of drying in the laboratory spray drier on the plus 10-micron talc could be expected to be about 0.6 to 1.0 pound per minute. The minus 10-micron talc was dried at a rate of about 0.8 pound per minute. The spray drier had a maximum inlet temperature of 1000 F and outlet temperature of 590 F. Recovery of minus 10-micron talc was 81 to 94 per cent and recovery of the plus 10-micron talc was 93 to 96 per cent. The optimum conditions of drying could be established only after a lengthy testing program so these initial results were accepted as suitable for determining the approximate size of pilot-plant equipment.

Filtration of Test Products

It was realized that all of the products obtained from the several beneficiation processes had a potential value and that their recovery was important.

The cyclone overflow, although containing about 70 per cent minus 10-micron particles was 79 per cent platy talc, and probably would be a valuable by-product. Furthermore, only unique circumstances would permit wasting this material to a settling pond, as it could be a public nuisance.

Experiments made in the laboratory established that the cyclone over-flow would not settle in a thickener in a practical length of time without the aid of a flocculating agent. Experiments made using Dow Separan 2610, a commercial flocculating agent at about 0.05 pound per ton of solids were successful in creating fast settling flocs of the fine talc.

Samples of the cyclone overflow were treated with Separan 2610 and settled to a pulp density of 16 per cent solids. The flocculated slurry was then tested with an Eimco Test Filter Kit to obtain data on filtering rates. These data are given in Table 18.

Table 18 shows that the maximum rate of filtration was 36.9 pounds of dry cake per square foot of filter cloth per hour. Increasing the drying time (air drying by pulling air only through the filter cake) resulted in very small changes in the residual cake moisture content. When 30 seconds drying time was used, the cake had a moisture content of 44.0 per cent. When 90 seconds of drying time was used, the moisture content dropped to 42.3 per cent. The maximum thickness of cake, 9/32 inch, was obtained with 1-1/2 to 2 minutes forming time. However, this did not result in the highest filtration rate.

The highest filtration rate would probably be obtained by using a 45-second forming time and a 30-second drying time. The calculated filter capacity under these conditions would be about 41 pounds of dry filter cake per square foot of filter cloth area per hour.

TABLE 18. FILTRATION RATES OF FLOCCULATED CYCLONE OVERFLOW

County 7		Drying	Filtrate Volume.	Cake	Weight gra	Weight Cake, grams	Moisture.	Filtration Rate, 1b/f+2 of filtering
seconds	in Hg	seconds	m]	inches	Wet	Dry	per cent	area/hr
9	21	30	52	7/32	75.2	41.9	44.0	36.9
9	19	9	230	7/32	79.9	43.4	45.6	28.7
30	19	09	175	5/32	59.9	32.4	45.9	28.5
45	7	09	195	6/32	70.9	38.7	45.4	24.0
2 2	18	8	322	9/32	115.2	61.2	45.3	23.1
06	18	8	265	9/32	6*66	53.7	44.4	23.7
09	18	8	215	8/32	91.8	49.7	43.8	26.3
300	18	8	8	4/32	47.9	83.0	42.3	17.1

Filter Cloth Type: TF-204, 2/2 twill, multifilament, thread count 75 x 70; airflow 1410 cfm.

Filtration experiments were also made on the combined Float-1 and Float-2 flotation products in a similar manner, except that Separan 2610 was not needed nor desired as a flocculating agent.

A single experiment using 15 inches of Hg vacuum, 15 seconds forming time and 90 seconds drying time, a product was obtained containing 30 per cent moisture at an equivalent rate of 44.5 pounds of dry cake per square foot of filter cloth area per hour. The rate of filtration could be increased by decreasing the amount of drying time to 30 seconds. Later investigations showed that it was necessary to wash the filter cake to remove most of the soluble salts, if the luster of the talc was to be preserved after drying.

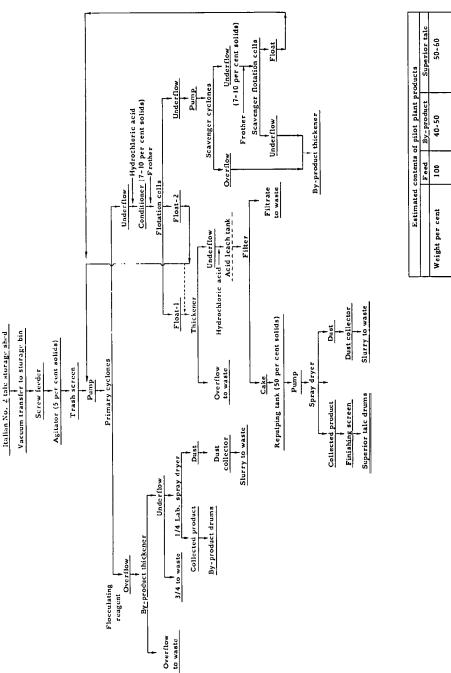
Experiments were made to determine how much washing of the filter cake was necessary. The Float-1 product, as obtained from Test 115, was placed in a Büchner filter and the filtrate, containing 500 milliliters of liquid, showed a resistance of 10,500 ohms per ml. The filter cake was washed the first time with 13.5 milliliters of fresh deionized water at 125,000 ohms and the filtrate measured 27,800 ohms. The filter cake was washed the second time with 135 ml of fresh deionized water and the filtrate measured 53,000 ohms. The filter cake was washed a third time with 135 ml of fresh deionized water and the filtrate measured 50,000 ohms. Therefore, two washes were necessary to reach a constant filtrate condition of about 50,000 ohms, indicating that most of the soluble salts were removed. The drop in electrical resistance from 125,000 to 50,000 ohms represents the constant of solubility of the remaining dolomite in the filter cake. The weight of the filter cake being washed was 93.4 grams. This means that 270 milliliters of water were required for 93.4 grams of talc, which is equivalent to 0.35 gallon of deionized water to wash 1.0 pound of talc during filtration.

PROPOSED PILOT-PLANT FLOWSHEET

Figure 2 shows the proposed pilot-plant flowsheet for treating Italian No. 2 talc.

This flowsheet was developed from data obtained from experiments with laboratory equipment, and more specifically from results of cyclone and flotation tests up through cyclone Test C-14 and flotation Test 76.

In the flowsheet shown in Figure 2, several waste products are indicated. These are from the thickener overflows, filtrate from the filters, and the slurry from the dust collectors. The filtrate will be a clear water containing no solids. Thickener overflow will contain some submicron size particles and perhaps some small amount of valuable particles. However, it is estimated that these losses will be negligible. The product obtained as a slurry from the dust collectors should be finer than 2 or 3 microns, and in the pilot plant will be discarded as waste. The amount produced will be weighed and examined for physical properties. If it is found to be significant, it can be combined with the by-product material. The plan is to recover only part of the potential by-product for use as a market survey material. According to the flowsheet the by-product is made up of the primary and scavenger cyclone overflows and the scavenger flotation underflow. Each of these products has distinctively different properties but will be combined in the pilot plant because of economy and simplicity of operation. The primary cyclone overflow should contain about 70 per cent of minus 10-micron particles, 2 to 3 per cent dolomite, and represent about 35 per cent of the plant feed. The scavenger flotation tailing may contain 10 to 15 per cent of minus 10-micron particles, 8 to 10 per cent dolomite, and represent 15 to 20 per cent of the plant feed. Provisions will be made in the pilot plant to collect these products separately, as well as combined, so that they can be evaluated as individual by-products.



 Estimated contents of pilot plant products

 Weight per cent
 100
 40-50
 50-60

 Pounds per hour
 500
 200-250
 250-300

 Platy tale, per cent
 90
 70-80
 97-99

 Minus 10 Micron, per cent
 27
 65-70
 5-7

Optional circuits ------

FIGURE 2. PROPOSED PILOT PLANT FLOWSHEET

The Superior Talc is obtained by passing the spray drier product through a finishing screen.

The flowsheet shows a provisional circuit for shunting all or part of the Float-2 product to the Float-1. This will be done if the Float-2 quality is equal to the Float-1, which would be a very desirable condition.

Some experiments indicated that this may be possible.

Also shown in Figure 2 is a step for leaching out the residual dolomite in the Float-1 product after removal from the thickener. At the time of this report, complete data are lacking on an ideal method to do this. Preliminary tests were made showing that it was impractical to thicken and leach simultaneously. The reason for this is probably because good mixing and intimate acid-solid contact is not obtained in the gentle action in a thickener.

By cycloning and flotation it was possible to decrease the dolomite content from slightly over 2 per cent in the original ore to 0.2 to 0.3 per cent in the Float-1 froth product. This is a tenfold reduction, but still not enough to yield a nonalkaline powder; some buffering agent would be required to obtain complete neutralization of the finished product unless successful leaching is employed.

CONCLUSIONS

Data and observations obtained from the cyclone and flotation experiments to date have established that:

- (1) Italian No. 2 talc can be beneficiated by flotation alone to give a product which contains about 98 per cent platy talc.
- (2) Flotation alone, which gives a high-purity product, does not remove or reject a sufficient amount of the fine talc and dolomite to make a satisfactory product.

- (3) Flotation of feed, after removal of the minus 10-micron particles by hydraulic cycloning, yields a superior talc product containing 97-99 per cent platy talc with less than 7 per cent of the weight finer than 10 microns.
- (4) The highest quality products were obtained when the flotation feed pulp pH was between 6.8 and 7.8.
- (5) Feed pulp densities in excess of about 8 per cent solids yield voluminous froths and give poor rejection of dolomite, although this is offset somewhat by improved weight recovery.
- (6) Hydrochloric acid is helpful in the flotation step as a depressant for fine talc and nonplaty minerals.
- (7) Water-soluble frothers such as Dowfroth 200 and Dowfroth 250 are good promoters for the flotation of platy talc. Dowfroth 250 is a stronger promoter than Dowfroth 200. About 0.08 pound of frother per ton of flotation feed solids was the maximum amount added to produce a Float-1 product, otherwise the platy content of the froth product is lowered.
- (8) Sulphuric acid is not a satisfactory substitute for hydrochloric acid for pulp pH control.
- (9) Deionized water is probably the best water to use to form the talc slurry. Tap water gives products with a dull luster, although the platy content is about 97 per cent. Soft water gives products with a medium luster, but the recovery is low and the platy content is not improved over the feed material. Talc processed with deionized water gives the good luster and good recovery.

- (10) Drying beneficiated products at temperatures up to 1100 F does not alter the surface properties of the talc. Above 1100 F the talc begins to discolor and become gritty.
- (11) In order to retain a good luster on the flotation product, it is necessary to wash out, during filtration, the soluble salts contained in the slurry. The amount needed in the laboratory experiments was about 0.35 gallon of water per pound of talc.

Table 19 shows a comparison of the Sponsor's specifications with Italian No. 1 talc, which is their current raw talc source, and also with the beneficiated talc produced from Italian No. 2 as a raw material.

This table shows an improvement in all categories except that of fitting into the specified bulk density range of 22 to 27 pounds per cubic foot. The probable reason for this is that there is a relationship between the bulk density and the particle shape and size distribution of the powder. Within certain limits, removal of the fines will result in an increase in bulk density. Hence, any beneficiated product with all the 10-micron particles removed should have a higher bulk density than the whole mixture.

FUTURE WORK

Further work is in progress to evaluate additional commercial alcohol frothers, as well as certain flotation modifiers such as the Aerosols.

Undoubtedly, certain problems unknown at this time will become evident during the pilot-plant operation, and some additional laboratory work may be necessary to solve them.

TABLE 19. COMPARISON OF SPECIFICATIONS OF ITALIAN NO. 1 WITH ITALIAN NO. 2 BENEFICIATED TALC

Physical Property Control	Specification	Italian No. l	Beneficiated Italian No. 2(a)
L'oisture:	€0.15 per cent	0.05	<0.05 per cent
Solubility in HCls	& per cent	2,10-2,81	O.75 per cent
Fineness:	Not less than 98.5 per cent through 200 mesh	99.8 per cent	99.5 per cent <0.5 ♦ 200 mesh
Bulk Density:	Not less than 22 nor more than 27 lb/ft ³	23.0	28°8
Microscopic Structures	Platelet showing no actcular	88-90% Platy	97-99% Platy
	nor excessive granular	8% Nomplaty	1-2% Nonplaty
	crystals	Corp.	A% Carb
		Trace tremolite	Trace tremolite
Destrable			
Dust, minus 10 micron	Low	25-30	5-7%
Luster	High	Fair	Good (better than Italian No. 1)
Dolomite	<0.05 per cent	<pre><2 per cent</pre>	<0.5 per cent
Hd	7,0-7,5	9.0-9.3	8,1-8,3
Lubricity Index	_ 	1,01	1,10

MEMORIAL

Beneficiated talc obtained from procedure similar to Flotation Tests 63-76. (a)

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The original notes on the laboratory work described in this report are in Battelle Laboratory Record Books 14265, 14668, 15042, 15190, 15456, and 15662. The work was done in the period from May 12, 1958, to May 15, 1959. Some of the discussions on flotation refer back to data presented in the First Progress Report of May 23, 1958, on the Physical Concentration of Talc Ores--Flotation.

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APPENDIX

SUMMARIZED RESULTS OF ALL FLOTATION TESTS

MADE ON ITALIAN NO. 2 TALC

TALC
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ITALIAN
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MADE (
TESTS
FLOTATION
ALL
P
RESULTS
SUMMARIZED

		 																	isfactory		1	A.	P)	P]	Ξľ	ΊΙ	IC	X																				
	Reparks	Discarded because of contactionation	Submitted to and approved by J & J, 5-7-59									Bulk density-29.3 lb/ft3							Feed washed with distilled water for removal of soluble salts; froth not satisfactory	Froth poor, unmanageable			Free-ruming froth but difficult to break down			Free running, stable froth, not satisfactory Freed to flotation – prewashed and filtered	ו מסק וה ווסופווסו - ליבתניםונים שום וווכובים	Used H2SO4 in place of HCI (see also tests 143-145 inclusive)			Water not soft, test invalid		Water not soft, test invalid		Dull fuster	Ouli luster		Outh luster					Quality of water in doubt, dull fuster		Quality of water in doubt, dull luster	6.5 per cent minus 10 microns	;	6.4 per cent minus 10 microns
Feed-Preparation	Cyclone Pressure, osi	i	14.7	:	14./	111.3	7:47	14.7	:	14.7	<u>.</u>	14.7		;	14.7	ř	14.7		Not cycloned	Not cycloned		Not cycloned		Not cycloned	Not cycloned	Not cycloned	ייטו באבוסומים	14.7			14.7		14.7	;	14.7	14.7	;	14.7	14.7		14.7		14.7		14.7	14.7	;	14.7
Reagents Used, 1b/ton of flotation feed	Offber									0.2(b)-0.25(c)										0.13(e)	:	0,65(e)	23(e)	:	6.5(e)	9.Ve)		2.5(1)																				
EG, 107 ES	Dowfroth 250					_	_					_	_				_	_			_		_	_				~ .	_		~ .	_	u	ب	~ 4		و	~ 0	۰.	. ب	7	.	40	7	φ.	* 80		œ
agents 0.	<u>8</u> 8 2	1	1.13	C13	97		4 75 0 1:	7 CO		70	0.18	1.75 0.0		;	U.1/		0.09		5. C	 1.6	0.20	1.6	7.0 1.6	0.20	97	3.5 2.75 - 0.35		0.07	7.0		1.75 0.07	7.0	9.0	0.2	0.07	1.75		1.75 0.0	07.0		1.74 0.0	0.7	1.45 0.0		3.36 0.0	2.00 0.08	0.3	0.0
21	oH of Float		7.8							9 9	. 3				7 25		8.7		8.I				_		- '	.,	•	6.8			7.5	8./ 2./	8.0	8.0	8.6 7.6				? 9	!	6.8		8.4		7.1	9 77	7.0	9.6
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SUMMARIZED RESULTS OF ALL FLOTATION TESTS MADE ON ITALIAN NO. 2 TALC (Continued)

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	ក្ន	Float-2	28.82	ñ	3		;	;				6.7		0.32				

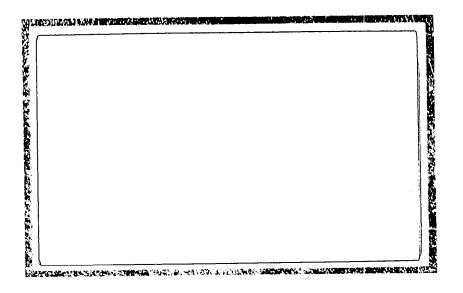
Footnotes For Table on Preceding Page.

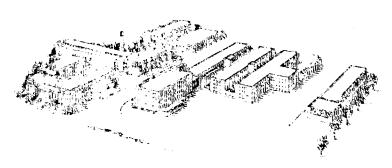
- (a) Per cent dolomite is calculated from chemical analysis of CO2.
- (b) Na₂CO₃.
- (c) Na2P4O7.
- (d) Flotation underflows from Tests 63-72 were composited and cycloned.

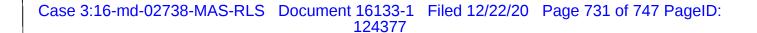
 The cyclone underflow was used as the scavenger feed.
- (e) Aerosol OT was added to improve froth and depress fines. Neither objective obtained. Products not mineralogically evaluated.
- (f) H2SO4 was used in place of HCl.
- (g) The platy-talc content of the float products from these tests is lower than expected and not consistent with results obtained in similar tests. There is no satisfactory explanation. The tests were intended to establish the effect of HCI for depressing minus 10-micron particles.

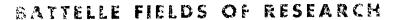
Exhibit 25

SUMMARY REPORT









AERONAUTICAL ENGINEERING AGRICULTURAL SCIENCES AIR AND STREAM POLIUTION CONTROL ANALYTICAL CHEMISTRY **PIOCHEMISTRY** PIOPHYSICS CERAMICS CHEMICAL ENGINEERING CORROSION TECHNOLOGY LEONOMICS THE INICAL ENGINEERING PLECTROCHEMICAL ENGINEERING LHCIPOCHEMISTEY THERT#ONICS EXTRACTIVE METALLURGY FOOD AND FOOD PROCESSING FOREST PRODUCTS FOUNDRY PRACTICE FUELS AND COMBUSTION GRAPHIC ARTS TECHNOLOGY MIGHLICAPERATURE METALLURGY INDUSTRIAL PHYSICS INFURMATION PROCESSING INORGANIC CHEMISTRY

INSTRUMENTATION LIGHT ALLOYS AND PARE METALS MECHANICAL ENDINEEPING. METALLURGY MINERALS PROCESSING NONDESTRUCTIVE BYSECTION NUCLEONICS OPERATIONS RESEARCH ORGANIC CHEMISTRY ORGANIC COATINGS PETROLLUM ENGINEERING PHYSICAL CHEMISTRY PROCESS METALLIRESE PROPUCTION ENGINEERING FULL AND FAPER RADIOISOTOPES AND RACHATION REACTOR TECHNOLOGY HUBBER AND PLASTICS SOHD STATE DEVICES SYSTEMS ENCINEERING TEXTILES AND FISERS THEORETICAL AND APPLIED MECHANICS THERMODYNAMICS WELDING TECHNOLOGY

SUMMARY REPORT

on

ULTRASONIC COMMINUTION OF TALC

to

JOHNSON AND JOHNSON RESEARCH

August 31, 1959

by

J. N. Antonevich, W. E. Chase, and L. E. Walkup

BATTELLE MEMORIAL INSTITUTE 505 King Avenue Columbus 1, Ohio

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Case 3:16-md-02738-MAS-RLS Document 16133-1 Filed 12/22/20 Page 733 of 747 PageID:

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Battelle Memorial Institute

505 KING AVENUE COLUMBUS 1, OHIO

October 8, 1959

Mr. W. H. Ashton Research Department Johnson and Johnson New Brunswick, New Jersey

Dear Mr. Ashton:

Work on the project "Ultrasonic Comminution of Talc" has been terminated, as requested during your July 27, 1959, phone conversation with Mr. Macdonald of our Minerals Beneficiation Division.

We are submitting a report on the work done. On the basis of incomplete data, it appears that the ultrasonic comminution of talc can be developed into a useful process for producing high-quality powder. The data are not sufficient as yet, however, to define all the parameters that influence the ultrasonic grinding process. We would be glad to undertake this further work if Johnson and Johnson should decide on the basis of this report to reopen the study. The adaptability of various transducers to determine minimum equipment and operating costs for processing talc with vibratory energy also should be included in any further work.

We enjoyed working on this project. If there are any questions concerning the report, we would be glad to answer them.

Very truly yours,

Lewis E. Walkup, Chief
Applied Physics Division

LEW:mar Enc. (6)

cc: Dr. W. H. Lycan Mr. C. V. Swank Case 3:16-md-02738-MAS-RLS Document 16133-1 Filed 12/22/20 Page 734 of 747 PageID: 124380

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ULTRASONIC COMMINUTION OF TALC

bу

J. N. Antonevich, W. E. Chase, and L. E. Walkup

SUMMARY

A study was made of the process parameters affecting ultrasonic comminution of plus 200 minus 10-mesh talc to plus 10-micron minus 200-mesh talc. It was found that the rate of comminution in a batch process and a process in which the oversize fraction was recirculated increases linearly with ultrasonic power. At a given power level, the process using a recirculating load was three times more efficient than the batch process. A talc slurry having approximately 40 per cent solids appeared to give optimum comminution rates.

On the basis of line power consumed by the magnetostrictive transducer assembly used in this study, having an over-all efficiency of approximately 15 per cent, the total energy required to grind 1 pound of minus 10-mesh talc to minus 200-mesh talc ranged from 3 to 4 kwhr. The use of fluid dynamic transducers can possibly reduce total energy requirements by a factor of 10.

Ultrasonic grinding appears to be selective in producing platy talc preferentially; the ground plates appear to be thinner than those produced by conventional grinding methods, and about 80 per cent of the individual plates have rounded corners.

There is an indication that some of the impurities in platy talc, although not the carbonate, are finely ground during ultrasonic grinding and can be rejected by simple classification. In one instance a product prepared in this way contained 98 per cent platy talc.

The application of ultrasonic or sonic energy to grinding talc into a high-quality powder appears to be technically feasible. Additional studies will be needed to define the practical limitations of the process.

INTRODUCTION

Prior to this project, exploratory experiments had been conducted using ultrasonic techniques to comminute talc. They indicated that plus 200 minus 10-mesh talc can be comminuted to minus 200 mesh at a power rate of 1800 kwhr/ton. Microscopical examinations of the ultrasonically ground talc showed a high-quality talc, in that individual talc platelets were intact having rounded corners and appearing to be in the thinnest possible platelet form. There appeared to be some degree of selective comminution, i.e., only talc appeared to be comminuted — other minerals in the raw ore were not appreciably broken down.

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The apparent high quality of the ultrasonically comminuted talc and the reasonable power cost estimate of 1 cent per pound (on the basis of 1 cent per kwhr for power) warranted further investigation. On April 1, 1959, an investigation was undertaken on the effects of frequency, power level, and initial particle size on the comminution rate and final particle size of talc exposed to vibratory energy.

This report describes the work done toward establishing the important process parameters affecting the comminution of plus 200 minus 10-mesh talc to plus 10-micron minus 200-mesh high-quality talc.

EXPERIMENTAL PROCEDURE

Investigations were made into the process parameters affecting ultrasonic comminution of plus 200 minus 10-mesh talc to plus 10-micron minus 200-mesh high-quality talc. These process parameters include the solids content of the talc slurry, and the ultrasonic power level as they influence the ultrasonic comminution of talc in a batch process and in a process in which the oversize fraction is recirculated.

A Sheffield-Cavitron Model 1000 A power oscillator and 20-kc transducer (Sheffield Corp., Dayton, Ohio) were used to generate ultrasonic power. Figure 1 shows the experimental arrangement used for most of the experiments. It consists of a stainless steel chamber 4 inches deep, having an inside diameter of 1-3/4 inches. This chamber was inserted within a coil of 1/4-inch copper tubing, and was restrained and gasketed within a steel enclosure constructed about the coil. The temperature of the talc slurry was maintained constant by running tap water through the copper tubing. This eliminated the possibility of temperature influencing the comminution rate. The chamber assembly was fitted over a standard double-cylinder mechanical transformer or horn (Sheffield No. 35-258) having a 1-1/2-inch-diameter radiating face. An O-ring was used as a seal between the cylindrical chamber and the horn.

Relative power supplied to the transducer was monitored by an ammeter in the plate circuit of the power oscillator driving the transducer. It was assumed that the power output of the oscillator was directly proportional to the plate current, and that the oscillator was 50 per cent efficient. With these assumptions, maximum power delivered to the transducer would be 1 kw, the rating of the transducer-oscillator combination. The total maximum power consumed from the line would be 2 kw.

Slurries of desired solids content, composed of plus 200 minus 10-mesh talc and deionized water, were placed in the chamber to form a column 3 inches deep. This depth was chosen as it appeared to produce a resonant column with 20-kc vibrations at any concentration of talc investigated. A resonant column is desired for maximum energy transfer from the transducer to the slurry.

The natural agitation accompanying the ultrasonic treatment of low talc concentration was sufficient to obtain reproducible comminution results. At high solids content, results were not consistent. To obtain consistent results, a stirring motor had to be used to keep talc from settling on the vibrating face of the double-cylinder mechanical transformer.

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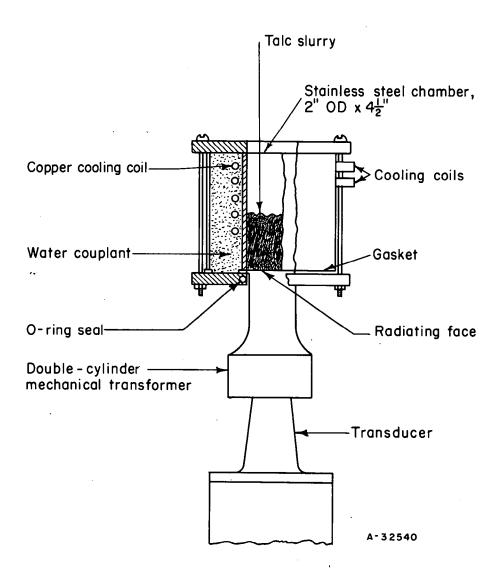


FIGURE 1. ASSEMBLY FOR COMMINUTING TALC WITH 20-KC VIBRATIONS

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The criterion used for comminution was the weight of talc ground sufficiently to pass through a 200-mesh sieve. In the case of batch treatments, the talc was exposed to 20-kc vibrations for 5, 15, and 35 minutes. At the end of each exposure, the talc was sieved, dried, and weighed to determine the amount of talc reduced to minus 200 mesh. In the case of recirculating-load treatments, a given concentration of plus 200 minus 10-mesh talc was given a series of 5-minute treatments. At the end of each 5-minute period, the fines passing through a 200-mesh screen were collected, dried, and weighed. An amount equal to the fines removed was added to the remaining talc to maintain a constant concentration of talc for each time period of treatments.

EXPERIMENTAL RESULTS

A series of experiments was made to determine the comminution characteristics of talc treated in batches. Figure 2 shows the relationship between the amount of a 25-gram talc load comminuted to minus 200 mesh and the time of treatment at various power levels.

A series of experiments also was made to determine the influence of solids content on the ultrasonic comminution of talc. Figure 3 shows the relationship between comminution rate and the solids content for a fixed time of exposure and power level. For the experimental arrangement used, a talc slurry having a 40 per cent solids content appeared to be best. At other power levels and stirring conditions, it is possible that other concentrations would be found better. An ideal arrangement would be one in which the energy density and particle distribution throughout the slurry is uniform. Under such conditions, the rate of comminution might be directly proportional to the solids content as indicated by work reported on the ultrasonic dispersion of Progesterone*.

Figure 4 shows the relationship between maximum batch-comminution rate and electrical power used in processing the talc. The relationships shown are linear for talc loads having 20 and 35 per cent solids content.

A series of experiments also was made to establish the comminution characteristics of talc when a recirculating load was exposed to ultrasonic vibrations. Conditions of a recirculating load were approximated by treating the load for 5-minute periods, removing fines and adding an equal amount of coarse talc at the end of each time period, until the amount of fines removed was constant.

Figure 5 shows the relationship obtained between comminution rate and electrical power for a simulated recirculating load. Figure 6 shows the approximate time required to reach equilibrium in the simulated circulating load at various power levels.

Twelve pounds of minus 10-mesh tale was batch treated using an equivalent of 1.28 kw per 50-gram load in the experimental arrangement. Each batch, or charge,

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^{*}Misek, B., and Skaven, D. M., "A Study of Dispersion with Ultrasound", J. Am. Pharm. Assoc., Scientific Edition, XLVII, (1) (Jan. 1958), reprinted in Ultrasonic News, 2 (7), 13-16 (1958).

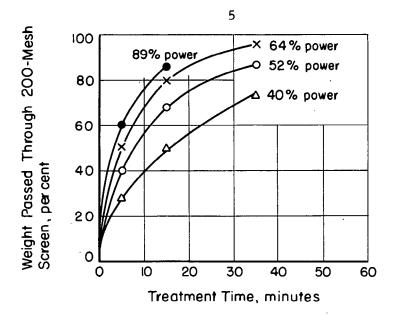


FIGURE 2. RELATIONSHIP BETWEEN AMOUNT OF MINUS 10-MESH TALC COMMINUTED TO MINUS 200 MESH, AND TREATMENT TIME AT VARIOUS ULTRASONIC POWER LEVELS

Frequency of vibration, 20 kc; weight of talc, 25 grams; solids content of slurry, 19 per cent; transducer rating, 1 kw

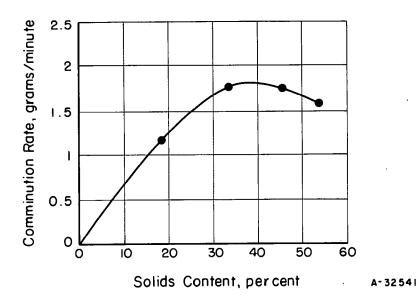


FIGURE 3. RELATIONSHIP BETWEEN COMMINUTION RATE AND SOLIDS CONTENT OF A MINUS 10-MESH TALC SLURRY EXPOSED TO 20 KC VIBRATIONS

Exposure time, 15 minutes; transducer driven at 50 per cent rated power; volume of slurry, 118 cm³; talc ground to minus 200 mesh

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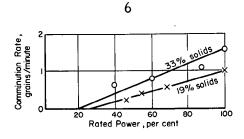


FIGURE 4. RELATIONSHIP BETWEEN COMMINUTION RATE AND ULTRASONIC POWER FOR BATCH GRINDING OF 10-MESH TALC TO MINUS 200-MESH TALC

Transducer rating is 1 kw.

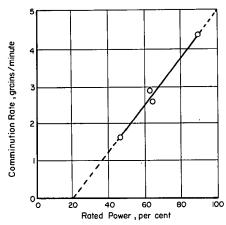


FIGURE 5. RELATIONSHIP BETWEEN COMMINUTION RATE AND ULTRASONIC POWER FOR GRINDING A SIMULATED RECIRCULATING LOAD OF 10-MESH TALC TO MINUS 200-MESH TALC

Transducer rating is 1 kw. The solids content of the talc slurry is 33 per cent. Exposure of load was made in 5-minute increments.

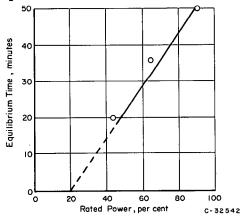


FIGURE 6. RELATIONSHIP BETWEEN EXPOSURE TIME TO REACH EQUILIBRIUM AND ULTRASONIC POWER WHEN GRINDING A SIMULATED RECIRCULATING LOAD OF 10-MESH TALC TO MINUS 200-MESH TALC

Transducer rating is 1 kw and the solids content of the circulating slurry is 33 per cent

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was treated for 5 minutes to obtain an ultrasonically processed talc that could be used for preliminary beneficiation experiments.

A screen and sedimentation analysis of the 12 pounds of ultrasonically ground talc was made. Results were obtained as shown in Table 1.

TABLE 1. SIZE DISTRIBUTION OF COMMINUTED TALC WHEN TREATED WITH 1.28 KW PER 50-GRAM LOAD

Size Fractions	Weight Per Cent
Plus 200 mesh	42.8
Minus 200 mesh plus 10 micron	45.8
Minus 10 micron	$\frac{11.4}{100.0}$

Table 1 shows that by the particular experimental arrangement used on the 12 pounds of talc, about 46 per cent of the talc was produced in the desired size range of minus 200 mesh plus 10 microns. The plus 200-mesh fraction accounts for over 42 per cent of the feed. This portion should be removed by screening to be returned and blended with new feed. By this procedure a closed grinding circuit can be simulated.

Information on how the ultrasonically ground talc responds to flotation was obtained from a few preliminary flotation experiments on the 12-pound batch. The ultrasonically ground product was wet screened to remove the 200-mesh oversize. Based on the figures obtained on the screen and sedimentation work, the size distribution of the flotation feed was calculated after the plus 200-mesh fraction was removed.

Table 2 shows the calculated values.

TABLE 2. DISTRIBUTION OF PARTICLE SIZES IN FLOTATION FEED OBTAINED FROM COMMINUTED TALC WHEN TREATED WITH 1.28 KW PER 50-GRAM LOAD

Size Fraction	Weight Per Cent
Minus 200 mesh plus 10 micron	80.1
Minus 10 micron	19.9
Minus 10 micron	19.9

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The minus 200-mesh fraction was then cycloned and the resulting minus 200-mesh plus 10-micron fraction was floated. Five flotation experiments were made. The first flotation experiments showed that acicular particles of talc floated with the platelets. Therefore, modifications in the beneficiation procedure were made in an attempt to eliminate these acicular particles. These modifications consisted of using greater dilution during cycloning and in using smaller quantities of reagents during flotation.

Table 3 shows the best flotation separation obtained with talc ground ultrasonically.

TABLE 3. FLOTATION RESULTS OBTAINED FROM ULTRASONICALLY COMMINUTED TALC

		Microsc	opic Count, per cent
Product	Weight Per Cent	Platy	Nonplaty (Mostly Acicular)
Cyclone overflow	33.0	(a)	(a)
Float l	39.2	97-98	2-3
Float 2	11.6	96	4
Flotation underflow	16.2	(a)	(a)
Total	100.0		

It is emphasized that neither the grind nor the flotation conditions were considered as being optimum in these five exploratory experiments.

Two other ultrasonically ground samples were submitted to Battelle's Minerals Beneficiation Division for flotation experiments.

These two samples, Series I and II, were made in a simulated recirculating ultrasonic grinding circuit using 90 and 46 per cent of the rated power of the ultrasonic transducer, respectively.

A representative fraction of each of the two samples was treated by sedimentation to determine the amount of minus 10-micron material present. Table 4 shows the distribution of sizes in these fractions.

Table 4 shows that the Series II samples contained 32.4 per cent of the material finer than 10 microns, compared with 43.9 per cent finer than 10 microns in the Series I samples. The lower energy level produced fewer minus 10-micron particles.

The sedimentation products were examined under the petrographic microscope to determine the mineral character. Table 5 summarizes these observations.

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TABLE 4. PARTICLE-SIZE DISTRIBUTION OF SERIES I AND SERIES II SAMPLES

Product	Weight Per Cent
Series I; minus 200 mesh plus 10 micron	56.1
Series I; minus 10 micron	43.9
Total	100.0
Series II; minus 200 mesh plus 10 micron	67.6
Series II; minus 10 micron	32.4
Total	100.0

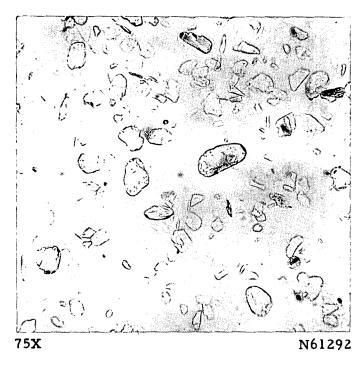
TABLE 5. MINERAL CHARACTER OF SERIES I AND SERIES II SAMPLES

	Se	dimentation Produ	cts, per cent	
Product	Platy Talc	Nonplaty Talc	Carbonate	Tremolite
Series I; minus 200 mesh plus 10 micron	98	±l	+1	Trace
Series II; minus 200 mesh plus 10 micron	98	<1	+1	Trace
Series I; minus 10 micron	None	72 fines and shards	<1	±4
Series II; minus 10 micron	None	70 fines and shards 25 nonplaty	<1	±5

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Microscopic examination showed that both minus 200-mesh plus 10-micron samples (Series I and II) were excellent products. Each contained a large proportion of well-developed platelets, i.e., thin, flat, circular, or rounded. Figure 7 shows a photomicrograph of Series I sedimentation products.



Plane-Polarized Light.

FIGURE 7. PHOTOMICROGRAPH OF MINUS 200-MESH PLUS 10-MICRON FRACTION OF ULTRASONICALLY GROUND TALC

Recirculating load exposed to 46 per cent of rated power of ultrasonic transducer.

Attention is directed to the data of Table 5, which show that talc of very high platy content was obtained simply by sedimentation of the ultrasonically ground talc. The carbonate content of these products, however, is still greater than 1 per cent. A flotation step would be required to eliminate it. These limited experiments should not be taken as conclusive, but there is an indication that at this power level the nonplaty talc is broken down to the minus 10-micron range preferentially by ultrasonic grinding. If further experimental work verifies this trend, it might be possible to produce a high-grade finished talc product from a low-carborate feed simply by grinding and classification for removal of fines, without the necessity of introducing a beneficiation step such as froth flotation. This same trend has been shown in ball-mill grinding, but to a lesser extent. For instance, the classification for removal of fines from the Italian No. 2 talc, which has been carried out in the talc pilot plant, has increased the platy content from 90 to 95 per cent. This is the same talc on which the ultrasonic grinding

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was done. There is no instance however, where talc of 98 per cent platy quality has been produced without the use of flotation, other than the data of Table 5.

No cyclone or flotation experiments were made on the Series I or II samples, because the development work was curtailed as requested by the Sponsor.

DISCUSSION

Assuming that the conditions used to obtain the above data on the ultrasonic comminution of a circulating load of talc are optimum and that electrical power costs are 1 cent per kwhr, the cost of comminuting 1 pound of 10-mesh talc to minus 200-mesh talc would be from 3 to 4 cents. Therefore, the power cost to process a pound of talc would be almost constant if an electrical generator, such as a rotary generator having low standby losses, could be used. It is estimated that the over-all efficiency of power transformation from electrical to 20-kc vibratory power of the experimental assembly was 15 per cent. In general, the efficiency of electrical power oscillators of the type used is about 50 per cent, and for the type of ultrasonic transducer used 30 per cent. It is conceivable that systems for comminuting talc can be designed with higher over-all efficiencies. This would reduce processing costs. For example, if sonic frequencies are used, in particular 15 kc, then an over-all efficiency in the neighborhood of 30 per cent might be obtained, halving processing costs. A more promising approach would be to use fluid dynamic transducers, which in general have reduced the cost of ultrasonic processes, when applicable, by a factor of 10. A simple experiment had been performed using a blender (230-watt Osterizer, John Oster Mfg. Co., Milwaukee, Wis.) to determine this possibility. Rough estimates indicated that a batch of 10-mesh talc could be ground to 200-mesh talc by this method at a power expenditure of 1 kwhr per pound. It can be assumed that for a circulating load the power expended per pound of processed talc would be much less.

The quality of ultrasonically processed talc appears to be a function of the vibratory energy level to which it is exposed. Observations made of talc-water suspensions after various ultrasonic comminution conditions indicated that batch samples exposed to power levels above 440 watts for any time period produced a colloidal suspension of some of the particles. In general, as the time of exposure or power level increased, the amount of particles colloidally suspended increased. It was also observed that particles other than talc found in the suspension were not notably fractured at any of the energy levels used. Although work was interrupted before a relationship between initial talc particle size and its ultrasonic comminution rate could be determined, the literature indicates that the smaller the initial particle size the smaller will be the size of the suspended particles after ultrasonic treatment for a given time period. The literature appears to substantiate the possibility of controlled comminution by the ultrasonic process. In the ultrasonic dispersion of Progesterone it was found that the extent of dispersion was directly related to the ultrasonic intensity applied, and that the extent of dispersion was a function of time of application and initial particle size. In a closedflow circuit ultrasonic comminution process the minimum particle size can be controlled through the rate of flow of talc slurry and the rate of comminution by the ultrasonic intensity or power.

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CONCLUSIONS AND RECOMMENDATIONS

Ultrasonic comminution appears to be a promising method of producing talc powder of a high and controllable quality. The power required to comminute 1 pound of plus 200-mesh talc minus 10-mesh talc to minus 200-mesh talc is estimated at 3.5 kw using magnetostrictive transducers. The applicability of fluid dynamic transducers would be expected to reduce processing costs by a factor of 10 or more.

The minus 200-mesh plus 10-micron talc produced by an ultrasonic comminution is unique in that almost 80 per cent of the platelets are rounded. Other grinding procedures such as roller or pebble milling yield only a few per cent rounded platelets.

Ultrasonic comminution, at the energy levels and the laboratory techniques tried, produced a minimum of 33 per cent of the weight finer than 10 microns when comminution was carried to the point where all the material passed a 200-mesh sieve. Part of the objective of obtaining a small amount of minus 10-micron particles was not obtained. It is believed that standard grinding methods can be controlled to produce less than 20 per cent of the weight finer than 10 microns, but the particles larger than 10 microns do not contain more than a few per cent of rounded platelets.

A 98 per cent platy talc representing 67 per cent of the original weight was obtained by ultrasonic comminution followed by sedimentation for removal of minus 10-micron particles. This product contained 0.69 per cent CO₂ (1.44 per cent dolomite) as the principal contaminant. If elimination of dolomite is important, acid leaching or flotation would be effective.

It is recommended that Johnson and Johnson consider continuing this work to complete studies on the effect of initial particle size of talc and frequency of vibration on the comminution rate of talc. These studies would establish the upper practical limit of particle sizes that can be ground ultrasonically and indicate the practicability of using high-efficiency lower frequency transducers in producing high-quality talc. Work also should be continued to complete the analysis of talc ground under various grinding conditions to definitely establish its quality as compared with talc powder produced by conventional grinding processes.

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